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MATERIAL

FOR A

BIBLIOGRAPHY

OF

NORTH AMERICAN MAMMALS,

PREPARED BY THEODORE GILL AND ELLIOTT COUES.

EXTRACTED FROM THE ELEVENTH VOLUME OF THE FINAL REPORTS OF THE SURVEY, BEING

APPENDIX B

OF THE

MONOGRAPHS OF NORTH AMERICAN RODENTIA.

BY

ELLIOTT COUES AND JOEL ASAPH ALLEN.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1877.

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Several years have passed since a Bibliography of North American Mammals was begun by Dr. Gill, and continued with the coöperation of Dr. Coues. The design was to make it as complete as could be reasonably expected, and to include (*a*) all works and papers on Mammalia at large published in North America, (*b*) all works and papers, wherever published, relating to North American Mammals, and (*c*) such general works or collateral special papers as bear more or less directly upon the subject. Pressure of other engagements upon each of the authors, however, obliged them to suspend the work in 1874, and the material now published represents simply the progress they had made at that date toward the completion of their plan. The Bibliography is therefore not supposed to be brought beyond 1874, when systematic compilation of titles was abandoned, although a number of titles of later date have been collated by one of the authors during his preparation of the index-slips for the press. In the fullest sense of the term, this compilation is only "material" for a Bibliography; the compilers are fully cognizant of its defects, and no criticism could be more severe than that which they themselves would pass upon it. But even in its present state, the Bibliography is much more extensive than any hitherto prepared; it is published in connection with these Monographs of by far the largest order of Mammalia, that the material which it represents may at length become available for all those who are working upon North American Mammalogy; and it is believed that it will be very useful to all who duly regard the purport of this explanatory note.

The titles are arranged in chronological order under a few heads. The first set consists of general and miscellaneous publications on Mammals at large; the second of faunal publications, or those relating to the Mammals of particular geographical areas; while the remaining sets are those of orders or suborders of the Mammalia. The Bibliography of American publications is believed to be very nearly complete down to 1874 inclusive; in other respects, the work is very imperfect. Many of the titles, especially the foreign ones, are taken at second hand, and these which have not been verified may not be found to be literally correct. The titles of many of the general works are not given in full.

A considerable part of the Bibliography—that relating to several of the families of the Rodentia—has already been presented on earlier pages of this volume, and such titles are not here duplicated.

In the labor of preparing this matter for the press, which has devolved upon Dr. Coues, much assistance has been rendered by Mr. Allen, who has kindly revised the proofs, adding some titles, and making many valuable suggestions. Very great assistance has also been rendered by Mr. William Young, the accomplished proof-reader of the Government Printing Office, to whom special thanks are due for his valuable services in securing accurate typography, and in perfecting the arrangement of the titles.

A.—GENERAL AND MISCELLANEOUS PUBLICATIONS.

1551.—Gesner, C.—Conr. Gesneri historiæ animalium lib. i de quadrupedibus viviparis. Folio. Tiguri, 1551.

1669.—Gesner, C.—Allgemeines Thierbuch, durch Conr. Gesnerum in lateinischer Sprache beschriebon, durch Coor. Forerum ins Deutsche übersetzt. Folio. Frankf. 1669.

1693.—Ray, J. Synopsis methodica animalium quadrupedum et serpentini generis. Vulgarium notas characteristicas, rariorum descriptiones integras exhibens: cum historiis & observationibus anatomicis perquam curiosis. Præmittuntur nonnulla de animalium in genere, sensu, generatione, divisione, &c. 8°. 8 p. l., 336 pp., with portrait opposite title. London: impensis S. Smith & R. Walford, 1693.

1704.—Tyson, E. A now division of terrestrial brute animals, particularly of those that have their feet formed like hands. < Philos. Trans. Roy. Soc. London, xxiv, 1704, pp. 1566–1573.

1734-65.—Seba, A. Locupletissimi rerum naturalium thesaurus accurata descriptio et iconibus artificiosissimis expressio, per universam physices historiam. 4 vols. Folio. 1734–65.

1735.—Linnæus, C. Caroli Linnæi, Sveci, Doctoris Medicinæ, Systema naturæ, sive regna tria naturæ systematice proposita per classes, ordines, genera & species. O Jehova! quam ampla sunt opera Tua! Quam ea omnia sapienter fecisti! Quam plena est terra possessione Tua! *Psalm.* civ. 24. Lugduni Batavorum, apud Theodorum Haak, 1735. Ex typographia Joannis Wilhelmi de Groot. Folio. 7 l. unnumbered and unpaged.

[The only copy of the original edition the existence of which in the United States is known to us is in the library of J. Carson Brevoort, esq., of Brooklyn. The 3d ed., published in Latin and German, by J. J. Lange, at Halle, in 1740, is a reprint of the first. (See beyond for the other editions, under their respective dates.) A textual reprint of the first edition was also published in 8°, at Paris, in 1830, by Fée, *q. v.*]

ANALYSIS.

1. QUADRUPEDIA:—33 genera.

I. *Anthropomorpha.*—Homo, Simia, Bradypus, 3.

II. *Feræ.*—Ursus, Leo, Tigris, Felis, Mustela, Didelphis, Lutra, Odobænus, Phoca, Hyæna, Canis, Meles, Talpa, Erinaceus, Vespertilio, 15.

III. *Glires.*—Hystrix, Sciurus, Castor, Mus, Lepus, Sorex, 6.

IV. *Jumenta.*—Equus, Hippotamus, Elephas, Sus, 4.

V. *Pecora.*—Camelus, Cervus, Capra, Ovis, Bos, 5.

1740.—Linnæus, C.—Caroli Linnæi Naturæ Curiosorum Dioscoridis Secundi Systema naturæ in quo naturæ regna tria, secundum.[!] Classes, ordines, genera, species, systematice proponuntur. Editio secunda, auctior. Stockholmiæ, apud Gottfr. Kiesewetter, 1740. 8°. 2 p. l., 80 pp.

[The 5th ed. is a reprint of the 2d, and was published by M. G. Agnethler, at Halle, in 1747 (8°, 88 pp). It contains the German names.]

ANALYSIS.

1. QUADRUPEDIA:—32 genera.

I. *Anthropomorpha.*—Homo, Simia, Bradypus, Myrmecophaga [not in 1st ed.], 4.

II. *Feræ.*—Ursus, Leo, Tigris, Felis, Mustela, Didelphis, Lutra, Phoca, Canis, Meles, Erinaceus, Talpa, Vespertilio, 13. [Odobænus and Hyæna suppressed.]

III. *Glires.*—Hystrix, Lepus, Sciurus, Castor, Mus, 5. [Sorex removed to Jumenta.]

IV. *Jumenta.*—Elephas, Hippopotamus. Sorex!, Equus, Sus, 5.

V. *Pecora.*—Camelus, Cervus, Capra, Ovis, Bos, 5.

[Two genera suppressed; one added.]

1743.—Klein, J. T. Summa dubiorum circa classes quadrupedum et amphibiorum in celebris domini Carol. Linnæi systemate naturæ; sive naturalis quadrupedum historiæ promovendæ prodromus cum præludio de crustatis. Adjecti discursus: I. De ruminantibus. II. De periodo vitæ humanæ collato cum brutis. Gedani et Lipsiæ, 1743. Gleditsch. 4°. 52 pp., 2 pl.

1743-51.—Edwards, G. A natural history of uncommon birds and of some other rare and undescribed animals, ... In 4 parts. 4°. London, 1743–51.

[Pt. i, pll. 1–52; pt. ii, pll. 53–105; pt. iii, pll. 106–157; pt. iv, pll. 158–211.—French transl., 1745.]

1744.—Linnæus, C. Caroli Linnæi Medic. & Botan. in Acad. Upsaliensi Professoris Acad. Imperialis, Upsaliensis, Stockholmensis & Monspeliensis Soc. Systema naturæ in quo proponuntur natnræ regni tria secundum classes, ordines, genera & species. Editio quarta ab auctore emendata & aucta. Accesserunt nomina Gallica. Parisiis, sumptibus Michaelis-Antonii David, bibliopolæ, via Jacobeâ, sub signo Calami aurei, 1744. Cum privilegio regis. 8°. 3 p. l. [Fundamenta Botanica], xxvii, [1], 108 pp., tab.

[This is said, by Linné, to have been edited by B. Jussieu, and to be the same as the 2d ed. ("per B. Jussieum. Adjecta nomina Gallica. idem cum 2"). It contains, however, in addition to the "Fundamenta Botanica", a special introduction (by himself), which concludes with the remark that it is the 4th ed., revised and enlarged (jam quartam castigatam iterum auctamque Lectori offero Benevolo.—p. 3).]

1747.—Linnæus, C. . . . . Systema naturæ. . . . 8°. 88 pp. Halle, M. G. Agnethler, 1747.

[The 5th ed., a reprint of the 2d, with the German names. Mamm. pp. 42–51. The genera are exactly the same as in the 2d ed., but spelled with *v* instead of *u*. See under 1740.]

1748.—Linnæus, C. Caroli Linnæi Archiatr. Reg. Med. et Bot. Profess. Upsal. Systema naturæ sistens regna tria naturæ, in classes et ordines genera et species redacta tabulisque æneis illustrata. Cum privilegio S. R. M. Svecicæ & S. R. M. Poloniæ ac Electoris Saxon. Editio sexta, emendata et aucta. Stockholmiæ, impensis Godofr. Kiesewetteri, 1748. 8°. iv, 224 pp., 2 p. l., 14 l., 7 pll.

[The 7th ed., published at Leipzig (Lipsiæ) in 1748, is a textual reprint of the 6th (secundum sextam Stockholmiensem emendatam & auctam editionem), by the same publisher, but with the German popular names instead of Swedish. The 8th ed. contains the vegetable kingdom only.]

1751.—Klein, J. T. Iacobi Theodori Klein . . . qvadrvpedvm dispositio brevisque historia natvralis. Lipsiæ, apvd Ionam Schmidt, bibl. Lvbec, 1751. 4°. 2 p. l., 127+1 pp., 5 pll. folded.

Steller, G. W. De bestiis marinis. <Nov. Comment. Acad. Petropol. ii, 1749 (1751), pp. 289–298, 3 pll.

1752.—*Anon.* Schauplatz (Systematischer) aller einheimischen und ausländischen vierfüssigen Thiere. Nürnberg, 1752.

Hill, J. An history of animals. Folio. London, 1752.

1754.—Brisson, M. J. Système naturel du règne animal, par classes, familles ou ordres, genres et espèces. Avec une notice de tous les animaux; les noms grecs, latins & vulgaires, que les naturalistes leur ont donnés; les citations des auteurs qui en ont écrit; une table pour chaque classe, qui désigne la famille ou l'ordre, le genre & l'espèce, de chaque animal. Ouvrage enrichi de figures en taille douce. Suivant la méthode de Klein; avec une notice de celle de M. Linnæus, et l'ordre des poissons, suivant la division d'Artedi et l'ordre des oursins de mer. Trad. de l'Allem. par Math. Jacq. Brisson. 8°. Bauche, Paris, 1754.

Klein, J. T. Doutes ou observations de Mr. Klein . . . sur la revûe des animaux, faite par le premier homme, sur quelques animaux des classes des quadrupèdes & amphibies du système de la nature de M. Linnæus. Et des remarques sur les crustacées, sur les animaux qui ruminent, & sur la vie de l'homme, comparée avec celle des animaux. Avec figures. Ouvrage traduit du Latin . . . [par Fr. Al. Aubert de Lachesnaye des Bois]. 8°. 2 p. l., 108 pp., 1 pl. folded. À Paris, . . . chez Cl. J. B. Bauche, . . . 1754.

Linnæus, C. Museum S. R. M. Adolphi Friderici, Regis Suecorum . . . . Folio. Stockholm, 1754.

1755.—Johnston, J. Theatrum universale omnium animalium quadrupedum. Folio. Heilbr., 1755.

1756.—Brisson, M. J. Regnum animale in classes IX distributum, sive synopsis methodica sistens generalem animalium distributionem in classes IX, & duarum primarum classium, quadrupedum scilicet & cetaceorum, particularem divisionem in ordines, sectiones, genera et species. Cum brevi cujusque speciei descriptione, citationibus auctorum de iis tractantium, nominibus eis ab ipsis & nationibus impositis, nominibusque vulgaribus. . . . Cum figuris æneis. Parisiis, ad Ripam Augustinorum, apud Cl. Joannem-Baptistam Bauche, . . . 1756. . . . [*Or*]

Brisson, M. J. Le règne animal divisé en IX classes, ou méthode contenant la division générale des animaux en IX classes, & la division particulière des deux premières classes, sçavoir de celle des quadrupèdes & de celle des cétacées, en ordres, sections, genres & espèces. Auxquelles on a joint une courte description de chaque espèce, avec les citations des auteurs qui en ont traité, les noms qu'ils leurs ont donnés, ceux que leurs ont donnés les différentes nations, & les noms vulgaires. . . . . Avec figures en taille douce. A Paris, Quay des Augustins, chez Cl. Jean Baptiste Bauche, 1756. vi, 382 pp., 1 l., 2 tab., 1 pl.

1756.—Linnæus, C. . . . . Systema naturæ sistens regna tria naturæ in classes et ordines genera et species redacta tabulisque æneis illustrata. Accedunt vocabula Gallica. Editio multo auctior & emendatior. Lugduni Batavorum, apud Theodorum Haak, 1756. 8°. 4 p. l., 227 [+ 1] pp., [index] 9 l., 8 pl., with 4. l. explan.

[This edition is recognized by Linné as the 9th, and said to have been edited by Gronovius, and to be the same as the 6th, with very few additions respecting the birds and fishes. ("Per Gronovium. Paucissima de Avibus, Piscibus, idem cum 6.")]

ANALYSIS.

I. QUADRUPEDIA [pp. 2–15]:—34 genera.

I. *Anthropomorpha.*—Homo, 1 sp.; Simia, 16 spp.; Bradypus, 2 spp. [3 genera].

II. *Feræ.*—Ursus 2, Felis 8, Mustela 9, Lutra 2, Canis 7, Phoca 2, Meles 3, Erinaceus 2, Dasypus 7, Talpa 2, Vespertilio 5 [11 genera].

III. Ord. *Agriæ* [not in eds. i–v].—Myrmecophaga 3, Mauis 1 [2 genera].

IV. *Glires.*—Hystrix 4, Sciurus 3, Lepus 4, Castor 3, Mus 11, Sorex 1, Didelphis 2 [7 genera].

V. *Jumenta.*—Elephas 1, Rhinoceros 2, Hippopotamus 1, Equus 3, Sus 4 [5 genera].

VI. *Pecora.*—Camelus 21, Moschus 1, Cervus 6, Capra 11, Ovis 3, Bos 4 [6 genera].

1757.—Hallen, J. S. Die Naturgeschichte der Thiere in sistematischer Ordnung. Die vierfüssigen Thiere. Von Joh. Sam. Haller [Hallen]. 8°. Berlin, 1757.

1758–59.—Linnæus, C. Caroli Liunaei Equitis De Stelli Polari, Archiatri Regii, Med. et Botan. Profess. Upsal.; Holmens. Petropol. Berol. Imper. Lond. Monspel. Tolos. Florent. Soc. Systema naturæ per regna tria naturæ, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Editio decima, reformata. Cum privilegio S:æ R:æ M:tis Sueciæ. Holmiæ, impensis Direct. Laurentii Salvii, 1758–59. 2 vols. 8°.

Tomus I. Regnvm animale. 2 p. l., pp. 1–824. 1758.

Tomus II. Regnvm vegetabile. 2 p. l., pp. 825–1384. 1759.

[In this edition, the binomial system previously employed by him in the work entitled Museum Tessinianum (1753), was extended in its application to all the kingdoms of nature; the Artodian classification of fishes, adopted in the earlier editions, was superseded by the familiar Linnæan system, and the cetaceans were for the first time eliminated from the class of fishes and grouped with the viviparous quadrupeds under the new class name Mammalia. This edition was reproduced at Halle (Halæ Magdebvrgicæ, typis et svmptibus Io. Iac. Cvrt. 1760), in an exact reprint (Præfatvs est Ioannes Ioachimvs Langivs), in 1760, but has not been acknowledged as one of the so-called editions. The recognized 11th edition was published at Leipzig in 1762, and is also a reprint of the 10th, but was condemned by Linné ("Furtim prodiit vitiosa. Nil additum").]

1758–64.—Edwards, G. Gleanings of natural history. 4°. London, 1758–64.

1759.—*Anon.* Dictionnaire raisonné et universel des animaux. Par M. D. L. C. D. B. 4°. Paris, 1759.

1760.—Klein, J. T. Klassification und kurze Geschichte der vierfüssigen Thiere, aus dem Lateinischen übersetzt und mit Zusätzen vermehret, nebst einer Vorrede von Friedrich Daniel Behn, ... Lübeck, bey Jonas Schmidt, 1760. 8°. 38 + [7] pp., 1 l., 5 pll.

Klein, J. T. Natürliche Ordnung und vermehrte Historie der vierfüssigen Thiere, herausgegeben von Gtfr. Reyger. Danzig, Schuster, 1760. (Berlin, Voss.)

1765.—Buffon, G. L. le Clerc, *and* Daubenton, L. J. M. Histoire naturelle, générale et particulière, avec la description du cabinet du Roi . . . . Vols. i–xv. 4°. Paris, 1765.

[Fifteen volumes of mammalia.]

1766–68.—Linnæus, C. Caroli a Linné, Equitis Aur. de Stella Polari, Archiatri Regii, Med. & Botan. Profess. Upsal., Acad. Paris. Upsal. Holmens. Petropol. Berol. Imper. Lond. Angl. Monspel. Tolos. Floreut. Edin. Beru. Soc. Systema naturæ per regna tria naturæ, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Tomus i[–iii]. Editio duodecima, reformata. Cum privilegio S:æ R:æ M:tis Sueciæ & Electoris Saxon. Holmiæ, impens. Direct. Laurentii Salvii, 1766[–68]. 3 vols. 8°.

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Tomus I. Regnum animale. Pars 1: Mammalia, Aves, Amphibia, Pisces. pp. 1–532. 1766. Pars 2: Insecta, Vermes. 1 p. l., pp. 533–1328, 11 l. 1767.

Tomus II. Regnum vegetabile. 736 pp., 8 l. 1767.

Tomus III. Regnum lapideum. Appendix animalium. Appendix vegetabilium. 236 pp., 10 l., 3 pll. folded. 1768.

[The last edition published by Linné, which is taken by some naturalists as the starting-point of tenable binomial nomenclature, while many prefer to go back to the 10th ed. of 1758.

In conclusion, it may be said that the original editions recognized by Linné as completely revised ones were the 1st (1735), the 2d (1740), the 6th (1748), the 10th (1758), and the 12th (1766–68).

The first was reprinted at Halle in 1740, and the reprint recognized as the 3d, and again at Paris in 1830.

The second was reprinted at Paris in 1744 (with modifications), as the 4th edition; and at Halle in 1747, and the reissue was subsequently recognized as the 5th edition.

The 6th edition was reissued at Leipzig, and subsequently known as the 7th; and closely followed in the edition of Leipzig, recognized as the 9th.

The 8th edition did not contain the Animal Kingdom.

The 10th edition was reproduced at Halle in 1760 (not recognized), and at Leipzig in 1762, the last being acknowledged as the 11th.

The 12th edition was reprinted at Vienna in 1767-70, and entitled the 13th, but is not esteemed as one of the regular current editions.

The later 13th edition, in which Gmelin brought together descriptions of species unrecognized by Linné and unknown to him, is noticed under the editor's name (1788).]

1768.—Bomare, V. de.—Dictionnaire raisonné universel d'histoire naturelle. 4°. Paris, 1768.

1771.—Pennant, T. Synopsis of quadrupeds. 8°. xxv, 382 pp., 31 pl. Chester, printed by J. Monk, 1771.

1771-75.—Alessandri, I., *and* Scataglia, P. Animali quadrupedi tolti dal naturale dissegnati, incisi e miniati co i lor veri colori da Innoc. Alessandri e Pietro Scataglia, in Venez. i-iv. Folio. 1771-75.

1772 *seq.*—Buffon, G. L. le Clerc. Naturgeschichte der vierfüssigen Thiere, mit Vermehrungen, aus dem Französischen übersetzt. 8°. Berlin, 1772 seq.

1773-76.—Müller, P. L. S Des Ritters Carl von Linné vollständiges Natursystem. Ausgefertiget von Phil. Lndw. Stat. Müller. i-vi und suppl. 8°. Nürnberg, 1773-76.

1774.—M[urr], C. G. v. Herrn. C. G. v. M. Nachricht von den verschiedenen Methoden, die vierfüssigen Thiere zu classificiren. < Der Naturforscher, St. i, 1774, pp. 277-283.

Vicq d'Azyr, F. Mémoire sur les rapports qui se trouvent entre les usages et la structure des quatres extrémités dans l'homme et dans les quadrupèdes. < Mém. Acad. Sci. Paris, 1774, pp. 254-270.

1775.—Blumenbach, J. F. Versuch natürlicher Ordnungen der Säugethiere. < Göttingische Anzeigen von gelehrten Sachen unter der Aufsicht der Königl. Gesellschaft der Wissenschaften, 1775, ii, pp. 1257-1259.

1775 *seq.*—Schreber, J. C. D. von. Die | Säugthiere | in | Abbildungen nach der Natur | mit Beschreibungen. |

Erster Theil. | Der Mensch. | Der Affe. Der Maki. | Die Fledermause. | — | Erlangen | verlegts Wolfgang Walther | 1775.—[2 p. l., pp. 1-190, pll. (133) 1-62 + frontisp. and 1 B, 1 C, 1 C*, 2 B, 2 C, 3 E, 4 B, 5 B, 6 B, 6 C, 6 C C, 8 B, 8 C, 8 D, 9 B, 10 B, 10 C, 10 D, 11 B, 11 C, 13 B, 14 B, 14 C, 15 B, 16 B, 19 A, 19 B, 19 C, 22 B, 22 C, 23 B, 24 A, 25 B, 25 C, 25 D, 25 E, 26 A, 26 B, 26 C, 26 D, 26 F, 27 B, 30 A, 31 B, 31 C, 32 A, 32 B, 33 A, 33 B, 33 C, 38*, 38 B, 38 C, 38 D, 38 E, 39 B, 39 C, 39 D, 40 B, 40 C, 40 D, 42 A, 46 B, 55 A, 55 B, 58 B, 59 B, 61 A, 62 A, 62 B.]

Zweiter Theil. | Das Faulthier. | Der Ameisenfresser. | Das Schuppenthier. Das Gürtelthier. | Das Nashorn. | Der Elefant. Das Wallross. | — | Erlangen | verlegts Wolfgang Walther. | 1775.—[(Incl. title) pp. 191-280, pll. (26) 63-80 + 63 A, 63 B, 63 C, 64 A, 69 A, 71 B, 76 A, 77 B.]

Dritter Theil. | Der Robbe. Der Hund. | Die Katze. Das Stinkthier. Der Otter. Die Marder. | Der Bär. Das Beutelthier. | Der Maulwurf. Die Spitzmaus. | Der Igel. | — | Erlangen | verlegts Wolfgang Walter. | 1778.—[Title, pp. 281-590, pll. 81-165 + 83 B, 85 A, 87 A, 87 B, 91 A, 91 B, 92 A, 92 B, 92 C, 92 D, 93*, 92 E, 95 A, 96 A *a*, 96 B, 95 C, 97 B, 97 C, 98 A, 100 A, 100 B, 101 A, 101 B, 101 C, 103 A, 103 B, 104 B, 105 A, 105 B, 107 B, 107 C, 107 D, 109 A, 110 B, 110 C, 112 B, 113 A, 114 B, 115 B, 116 B, 116 C, 116 D, 116 E, 116 E E, 116 F, 116 G, 117 B, 121*, 121 A, 125 B, 125 C, 125 C C, 125 D, 126 B, 127 B, 128*, 133 A, 133 B, 135 B, 137 B, 141*, 141 B, 141 B*, 141 C, 141 D, 141 D D, 141 E, 141 F, 142 B, 142 B*, 142 C, 143 A, 143 B, 143 C, 143 D, 144*, 144 A, 144 B, 144 C, 145*, 146 B. 149 A, 152 B *a*, 152 B *b*, 152 B *c*, 152 B *d*, 152 B *e*, 154 A, 154 B, 155 A *a*, 155 A *b*, 155 A *c*, 155 A *d*, 155 B, 156 A, 158*, 159 B, 159 C, 159 D, 160 A, 160 B, 161 B, 165*, 165 A.]

Vierter Theil. | Das Stachelthier. Die Cavie. Der Biber. | Die Maus. Das Murmelthier. Das Eichhorn. Der Schläfer. | Der Springer.—Der Hase. | Der Klippschliefer. | — | Erlangen | verlegts Wolfgang Walther. | 1792.—[Title, pp. 591-936 [by err. typ. 636], pll. 166-240+168 A, 170 B, 171 B, 172 A, 172 B, 172 C, 173 A, 176 A *a*, 176 A, 176 B, 180 A, 181 A, 182 B, 183 B, 190 B, 191 A, 191 B, 192 A, 195 B, 198 B, 204 B, 206 A, 206 A *a*, 206 B, 210 A, 210 B, 210 C, 210 D, 210 E, 211 B, 212 B, 213 B, 213 C, 213 D, 214 A, 214 B, 214 C, 215*, 215 B, 215 C, 215 D, 215 D *d*, 216 A, 217 B,

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Die | Säugethiere | in | Abbildungen nach der Natur | mit Beschreibungen | von | Dr. Johann Christian Daniel von Schreber | . . . . | und von | Dr. August Goldfuss, | . . . . | — | Forgesetzt | von | Dr. Johann Andreas Wagner, ... | — |

Fünfter Theil. | Erster Band. | Moschusthier. Hirsch. Giraffe. | Antilope. Ziege. Schaf. | — Nebst Tafel 241 bis 294 D*. Erlangen, | in der Expedition des Schreber'schen Säugethier- und des Esper'schen Schmetterlingswerkes, | und in Commission der Palm'schen Verlagsbuchhandlung, | 1836.—[pp. i–vi (incl. title), 937–1472, pll. 241–294 + 242 B, 245 B, 246 B, 246 C, 246 D, 246 *a*, 247 B, 247 D, 247 E, 247 F, 247 G, 247 H, 248 B, 248 C, 248 D, 248 E, 249 B, 252 B, 254 B, 255*, 256 B, 257 A, 257 B, 258 B, 260 B, 263 B, 270 B, 277 B, 279*, 279 A, 281 B, 281 C, 281 D, 281 E, 286 B, 287 A-G, 288 A, 288 B, 290 B, 291 B, 294 B, 294 C, 294 D, 294 D*.]

Fünfter Theil. | Zweiter Band. | Rind. Kameel. Lama. | — | Nebst Tafel 295 bis 307 A. | = | Erlangen. | in der Expedition des Schreber'schen Säugethier- und des Esper'schen Schmetterlingswerkes, | und in Commission der Palm'schen Verlagsbuchhandlung, | 1838.—[pp. i–iv (incl. title), 1473–1839, pll. 295–307 + 295 *a*, 295 *b*, 297 *a*, 297 *b*, 297 *c*, 297 *d*, 298 *a*, 299 *a*, 300 *b*, 302 *a*, 302 *b*, 306 *a*, 307 *a*, 307 *b*, 307 *c*, 307 *d*, 307 *e*.]

Sechster Theil. | Umfassend die sechste und siebente Abtheilung, oder die Ein- und Vielhufer. | Das Pferd. Der Elephant. Das Nashorn. | Das Flusspferd. Der Tapir. Das Schwein, | — | Nebst Tafel 308 bis 328. | — | Erlangen, | in der Expedition des Schreber'schen Säugethier- und des Esper'schen Schmetterlingswerkes, | und in Commission der Palm'schen Verlagsbuchhandlung, | 1835. [pp. i–xvi (incl. title), 1–520, tab. 308–328 + 316 A, 317 A, 317 B, 317 C 317 D, 317 D D, 317 E, 317 F, 317 G, 317 H, 319 A, 319 B, 324 A, 325 A, 325 B, 325 B (bis), 326 A.]

Siebenter Theil. | Die Ruderfüssor und Fischzitzthiere. | = | Erlangen, | in der Expedition des Schreber'schen Säugethier- und des Esper'schen Schmetterlingswerkes, | und in Commission der Palm'schen Verlagsbuchhandlung, | 1846. [pp. i–viii (incl. title), 1–427, tab. 329–385 + 336 B, 337 B, 338 B.]

[The number of species described in the preceding volumes, according to Wagner (vol. 7, p. v), is 1446, viz:

Affen	128	Nager	446	Ruderfüsser	20
Fledermäuse	244	Zahnlücker	30	Fischzitzthiere	42
Insectenfresser	65	Einhufer	6		
Fleischfresser	206	Dickhäuter	27	Im Ganzen	1446
Beutelthiere	87	Wiederkäuer	145		

The original work was published in fasciculi, and the dates on the titles are apparently those of the completion of each Theil. Thus, it appears by contemporary evidence, that the first portion of Theil III was published several years prior to the date on the title-page, and such is doubtless the case with other portions of the work See, also, 1840.—WAGNER, J. A. The Supplementband, erste Abth. (pp. vi, vi, 551), contains the quadrumana and chiroptera, and dates 1840; zweite Abth. (pp. viii, 558), carnivora, dates 1841; dritte Abth. (pp. xiv, 614), marsupials and part of the rodents, 1843; vierte Abth. (pp. xii, 523), the rest of the rodents, the edentates, ruminants, etc., 1844. There is a fifth part or volume, date 1855, *q. v.*]

1777.—Erxleben, J. C. P. Systema regni animalis per classes, ordines, genera, species, varietates, cum synonymia et historia animalium. Classis I, Mammalia. 8°. xlvii, 636 pp., 3 l. Lipsiæ, impensibus Weygandianis, 1777. [Introd. dated 1776.]

[There is question of actual priority in many cases between this work and Schreber's Säugethiere.]

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1778.—Gravmann, D. P. B. C. . . . Brevis introdvctio in historiam natvralem animalivm mammalivm in vsvm avditorvm, cvi accedit nomenclatvra omnivm hvivs classis civivm, vno cvm charactere generico et specifico, denominatione germanica, ac designatione iconvm. 16°. 5 p. l., 90 pp., 1 l. Rostochii, apvd Iohannem Christianvm Koppivm, 1778.

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[*See* GILL, Bull. Philos. Soc. of Washington for Oct. 1874.]

1781.—Pennant, T. A history of quadrupeds. 2 vols. 4°, 1st ed., London, 1781; 2d ed., 1792; 3d ed., 1793.

1783.—Hermann, J. Tabula affinitatum animalium olim academico specimine edita nunc uberiare commentario illustrata cum annotationibus ad historiam naturalem animalium augendam facientibus. 4°. 2 p. l., 370 pp., 1 l., 3 tab. Argentorati, impensis Joh. Georgii Treuttel, bibliopolæ, 1783.

[Mamm. p. 115.]

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1788–93.—Gmelin, J. F. Caroli a Linné Systema naturæ per regna tria naturæ, secundum classes ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Ed. 13ma, aucta, reformata. 8°. 3 v. in 9 parts. 4120 pp. Lipsiæ, impensis Georg. Emanuel Beer, 1788–93.

[The three volumes, being very much amplified, were divided into parts, with half-titles, for binding, viz:—]

Tomus I. [Regnum animale: pars i. (Mammalia; Aves, ordines 1–2), 6 p. l., pp. 1–500: pars ii. (Aves, ordines 3–6), 1 p. l., pp. 501–1032: pars iii. (Amphibia, Pisces), 1 p. l., pp. 1033 (Pisces, 1126)–1516: pars iv. (Insecta, ordines 1–2), 1 p. l., pp. 1517–2224: pars v. (Insecta, ordines 3–7), 1 p. l., pp. 2225–3020: pars vi. (Vermes), 1 p. l., pp. 3021–3910: pars vii. (Indices), 1 p. l., pp. 3911–4120.] 1789. [The first two parts date 1788.]

Tomus II. [Regnum vegetabile: pars i. 1 p. l., xl, 884 pp.: pars ii. 1 p. l., pp. 885–1661.] 1791.

Tomus III. [Regnum lapideum.] 476 pp., 3 pl. folded. 1793.

[This edition is noticed under the date of 1788 and the name of Gmelin, as that naturalist is alone responsible for the incorporation of the many species described since the last edition of the Systema Naturæ revised by Linné. The compilation displays very little acquaintance with any branch of zoology, and species are incorporated into the system in defiance of the characters of the groups to which they are referred.]

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1798—Cuvier, G. Tableau élémentaire de l'histoire naturelle des animaux. Avec planches. 8°. Paris, 1798.

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[Besides the engraved title, copied above, there is, on the following leaf, a short printed one, viz:—"General zoology. [Specifications.] London [publishers], 1800–26." The later volumes were by James Francis Stephenson.]

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1804 *seq.*—**Bewick, T.** A history | of | quadrupeds: | embellished with upwards of | 340 engravings, | chiefly copied | from | the original of T. Bewick | by | A. Anderson. | — | Second American, from the eighth London edition. | — | Also, an addenda, with some animals not | hitherto described. | — | [Vignette.] | New York, | T. W. Strong, | 84 Nassau Street. | n. d. 1 vol. 12°. i–iv, 5–335 pp., many woodcuts. [Date unknown ; subsequent to 1804, *q. v.*]

[The "Addenda" in this ed. (and probably in the earlier one), pp. 323–329, presumed to be by S. L. Mitchill, consist of Grizzly Bear, p. 323, Hamster of Georgia, p. 326, Mammoth of New York, p. 327, and Viviparous Shark of Long Island, p. 328.]

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[Les mammifères onguiculés, et immédiatement après l'ordre des quadrumanes, se divisent en deux branches; l'une formée des ordres suivans: Cheiroptères, Marsupiaux, Rongeurs, Édentés; l'autre de ceux de carnassiers et d'amphibies. Cette seconde branche se termine par les mammifères ongulés et ceux qui sont bipèdes, ou les cétacés (pp. 7, 8). Celui des Pachydermes trois: les Pentadactyles, les Anisodactyles, les Solipèdes. Celui des ruminans trois autres: les Inermes, les Plenicornes, les Tubicornes.]

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[The classification adopted in this article is as follows:—

CLASSIS I.—*Mammalia.*

SUBCLASSIS I.—*Quadrupeda.*

SECTIO 1.—*Unguiculata.*

Ordo Primates.
Chiroptera.
Feræ (subdivided into the orders Best'æ [= Insectivora ambulatoria] and Feræ in 1833).
Marsupialia.
Glires.
Bruta.

SECTIO 2.—*Ungulata.*

Ordo Pecora.
Belluæ.

SUBCLASSIS II.—*Bipeda.*

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CLASSIS II.—*Monotremata.*

Ordo Tachyglossa.
Platypoda.]

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[After the diagnosis of the branch ("provincio") follow "Classium distinctio" (p. 106), "Classis i, Mammalia" (diagnosis, p. 106); "Ordinum distributio" (with diagnosis, pp. 107-110); and, lastly, "Index familiarum et subfamiliarum" (pp. 111-113). A like sequence is adopted for the other classes (Aves, Amphibia, and Pisces). The mammals are divided into 41 families and 75 subfamilies, monotypic families being represented by subfamilies of equal extent.]

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[The diagnoses of the orders and including groups are repeated from the earlier article (1838); but interealated therewith, and forming an unbroken series, are the diagnoses of the families and subfamilies, which are the same as those enumerated in the "Index familiarum et subfamiliarum" of the earlier article. The groups Placentalia and Implacentalia are, however, designated "series" instead of "subclasses", and the Educabilia and Ineducabilia "subclasses" instead of "sections"; the subfamilies 15 and 16, 23 and 25, and 53 and 54, are severally reversed in position with respect to each other.]

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[Recognizes "sous-classe des Ornithodelphes" p. vii, and "Didelphes éleuthérodactyles" p. 213, et "D. syndactyles" p. 215, and adopts class. of Blainville p. vi].

1839-57.—**Leuret, F.,** *and* **Gratiolet, P.** Anatomie comparée du système nerveux considéré dans ses rapports avec l'intelligence. 3 vols. Paris, J.-B. Baillière et fils, 1839-57.

[Atlas de 32 planches déssinées d'après nature et gravées. Paris, J.-B. Baillière et fils, 1839-57. Folio, pp 60 ——, pll. 30.]

1839-64.—**Blainville, H. M. D. de.** Ostéographie ou description iconographique comparée du squelette et du système dentaire des mammifères récents et fossiles pour servir de base à la zoologie et à la géologie par H. M. Ducrotay de Blainville. . . . Ouvrage accompagné de 323 planches lithographiées sous sa direction par M. J. C. Werner, peintre du Muséum d'Histoire Naturelle de Paris, précédé d'une étude sur la vie et les travaux de M. de Blainville, par M. P. Picard. Text, 4°, 4 v.; atlas, fol., 4 v. Paris, J. B. Baillière et fils, 1839-64.

[Published in twenty-six fascicules; the first twenty-five under the title: "Ostéographie; ou, description iconographique comparée du squelette et du système dentaire des cinq classes d'animaux vertèbres récents et fossiles, pour servir de base à la zoologie et à la géologie par M. H. M. Ducrotay de Blainville . . . . Ouvrage accompagné de planches lithographiées sous sa direction par M. J. C. Werner . . . . Paris, Arthus Bertrand, ..." [1839-55]. The twenty-sixth and last fascicule was issued with the *special* title above given, titles for the four volumes of text and four of plates, table of contents and index, by the Baillières, in 1864.

The culpable neglect of the publishers to give the dates of publication of the several fascicules has doubtless devolved upon many investigators, as upon the writer, much trouble and annoyance in ascertaining them, and to save to others similar trouble, a collation is here presented, the dates having chiefly been ascertained from Wagner's annual reports in the "Archiv für Naturgeschichte". The appearance of successive fascicules has not been noticed in the "Bibliographie de la France".

The titles of the respective monographs given below are those at the upper fourth of the first page of each monograph, and which are the only special titles published.

The work is more remarkable as a methodical repertory of facts respecting superficial osteological details than as a digest exhibiting acute appreciation of the value and subordination of characters and their taxonomical application, or orthodox views respecting classification and the geological succession of animals—the concurrent views of the most recent and approved investigators being the standard. The "genera", it must be remembered, are generally about equal in extent to the families now generally adopted.]

CONTENTS.

Tome premier | Primatès—Secundatès | Avec atlas de 59 planches. [7 pp + 9 parts,* as below:—]

Atlas—Tome premier | composé de 59 planches | Primatès—Secundatès. [2 p. l. + 5 parts, viz:—]

[A title-page with the more *general* title (see above) and the addition:—"Mammifères—Tome premier" was issued with the first fascicule in "1839", and another with the modification "Mammifères.—Primatès: Pithecus. Cebus. Lemur." in "1841", but both are superseded by the *special* title issued for the first volume with the twenty-sixth fascicule.]

(Etude sur la vie et les travaux de M. de Blainville, par M. P. Nicard.) [1864.—cexxiii. pp. < F. xxvi.]

([*A.*] De l'ostéographie en général. < Ostéographie des mammifères, pp. 19-47.) [1839.—47 pp. < F. i.]

([*B.*] Ostéographie des Primatès.—Sur les primatès en général et sur les singes (*Pithecus*) en particulier.) [1839.—52 pp. 11 pl. < F. i. (+ pl. 1 *bis* and 5 *bis*. < F. xxv, 1855.)]

[A *secondary general* title for the Primatès was issued as the first pages (p. 1=l. 1) of the preceding, viz: "Ostéographie des mammifères de l'ordre des Primatès, suivie de recherches sur l'histoire de la science à leur égard, les principes de leur classification, leur distribution géographique actuelle et leur ancienneté à la surface de la terre."]

([*C.*] Ostéographie des Primatès.—Sapajous (*Cebus*).) [1839.—31 pp. 9 pl.=F. ii.]

([*D.*] Ostéographie des Primatès.—Makis (*Lemur*).) [1839.—48 pp. 11 pl. < F. iii.]

([*E.*] Mémoire sur la véritable place de l'Aye-Aye dans la série des mammifères. Lu à la Société philomatique, le 16 mai 1816.) [1839.—40 pp. < F. iii.—Plate < F. iii.—Plate=pl. 5 < *D.*]

([*F.*] De l'ancienneté des Primatès à la surface de la terre.) 68 pp. [1839.] < F. iv.—Sans planches.]

([*G.*] Ostéographie des Cheiroptères (*Vespertilio*, L.).) [1839.—104 pp. 15 pl. < F. v.]

([*H.*] Ostéographie des Mammifères insectivores (*Talpa*, *Sorex* et *Erinaceus*, L.).) [1840.—115 pp. 11 pl. = F. vi.]

Tome deuxième | Secundatès | Avec atlas de 117 planches. [viii. pp. + 9 parts.]

Atlas—Tome deuxième | composé de 117 planches | Secundatès. [2 p. l. + 8 parts, viz:—]

([*I.*] Ostéographie des Carnassiers. [1840.—85 pp. < F. vii.]

[A *secondary* title for the Carnassiers (I—Q) was issued as the first pages (p. 1 = l. 1) of the preceding, viz: "Ostéographie des Carnassiers, précédée de considérations sur l'histoire de la science à leur égard, les principes de leur classification, leur distribution géographique actuelle, et suivie de recherches sur leur ancienneté à la surface de la terre."]

([*J.*] Des Phoques (*G. Phoca*, L.).) [1840.—51 pp. 10 pl. < F. vii.]

* The "parts" is each monograph or series distinguished by a special and complete pagination or numeration of plates.

([*K.*] Des Ours (*G. Ursus*).) [1841.—94 pp. 18 p^{l}. =F. viii.]

([*L.*] Des Petit-ours (*G. Suborsus*).) [1841.—123 pp. 16 pl. = F. ix. (+ pl. 17 < F. x, 1842.]

[With this fasciculo was issued a *general* title limited thus: "Mammifères.—Carnassiers: | Vespertilio Talpa. Sorex. Erinaceus. Phoca. Ursus. Suborsus. . . . . 1841."

([*M.*] Des Mustelas (*G. Mustela*, L.).) [1842.—83 pp. 15 pl. = F. x.]

([*N.*] Des Viverras.) [1842.—100 pp. 13 pl. = F. xi.]

([*O.*] Des Felis.) [1843.—196 pp. 1 folded tab. 19 pl. = F. xii. (+ pl. 20 < F. xxv., 1855).]

([*P.*] Des Canis.) [1843.—160 pp. 16 pl. = F. xiii.]

([*Q.*] Des Hyènes.) [1844.—84 pp. 8 pl. = F. xiv.]

Tome troisième | Quaternatès | Avec atlas de 54 planches. [viii pp. + 5 parts.]

Atlas—Tome troisième | composé de 54 planches | Quaternatès. [2 p. l. + 5 parts, viz:—]

([*R.* or *S.*] Des Éléphants.) [1845.—367 pp. 18 pl. = F. xvi.]

([*S.* or *T.*] Du Dinotherium.) [1845.—64 pp. 3 pl. = F. xvii.]

([*T.* or *U.*] Des Lamantins (Buffon), (*Manatus*, Scopoli), ou Gravigrades aquatiques.) [1844.—140 pp. 11 pl. = F. xv.]

([*V.*] Des Damans (Buffon), (*Hyrax*).) [1845.—47 pp. 3 pl. = F. xviii.]

([*V.* or *X.*] Des Rhinocéros (Buffon), (*G. Rhinocéros*, L.).) [1846.—232 pp. 14 pl. =F. xx.]

([*X* and non-lettered.*] Monographie du Cheval, *G. Equus*.) 1864. [80 pp. < F. xxvi.]

Tome quatrième—Quaternatès—Maldentés | Avec atlas de 93 planches. [viii pp. + 8 parts.]

Atlas—Tome quatrième | composé de 93 planches | Quaternatès—Maldentés. [2 p. l. + 11 parts.]

([*Y.*] Des Palæotheriums, Lophiodons, Anthracotheriums, Choeropotames.) [1846.—196 pp. 8 + 3 + 3 + 1 [=15] pl. = F. xxi.]

([*Z.*] Des Tapirs (Buffon). (*G. Tapirus*, Brisson).) [1846.—52 pp. 6 pl. = F. xix.]

([*AA.*] Sur les Hippopotames (Buffon), (*Hippopotamus*, L.) et les Cochons (Buffon), (*Sus*, L.).) 1847. [248 pp. 8 + 9 [=17] pl. < F. xxii.]

([*BB.*] Des Anoplothériums (G. Cuvier) et sur les genres plus ou moins différents:

1849. [155 pp. 9 pl. = F. xxiii.]

Xiphodon,	G. Cuvier, 1822.	Merycopotamus,	Falconer et Cautley, † 1847.
Dichobune,		Hippohyus,	
Adapis,		Paloplotherium,	R. Owen, 1848.
Chalicothérium, J. Kaup, 1833.		Dichodon,	
Cainothérium, Brarard, 1835.		Hyopotamus.	

Microchoerus, Sc. † Wood, 1846.

([*CC.*] Des Ruminants (*Pecora*, L.) en général et en particulier des Chameaux, des Lamas, Buffon. (*G. Camelus*, L.) 1850. [131 pp. 5 pl. = F. xxiv.]

([*DD.*] Ostéographie des Paresseux (*Bradypus*, L.).) [1840.—64 pp. 6 pl. = F. v.]

([*EE. General* title.] Publication posthume.—Explication des planches suivantes.

Pilifères. Genres. Gorilla, Smiloden, Sciurus, Arctomys, Castor, Capromys, Myopetamus, Hystrix, Cavia, Equus, Camelopardalis, Myrmecophaga, Macrotherium, Megatherium, Glyptodon, Toxodon, Elasmotherium, Macraucheeia et groupes qui s'y rattachent.

Squammifères. Genre Crocodilus et groupes génériques voisins.

Ostéozoaires. Signification des os du crâne dans les diverses classes de ce type. 1855. [63 pp. 41 pl.] Table alphabétique des quatre volumes. 1855. [lxvi pp. < F. xxvi.]

1840.—Blainville, H. M. D. de. Considérations générales sur les animaux et leur classification. < Dict. Sci. Nat., Supplément, 1840.

1840-55.—Wagner, J. A. Die Säugthiere in Abbildungen nach der Natur, mit Beschreibungen. . . . Fortgesetzt von Dr. Johann Andreas Wagner, . . . Supplementband [mut. mut. ut infra]. 1ste-4te Abth., Erlangen, in der Expedition des Schreber'schen Säugthier- und des Esper'schen Schmetterlingswerkes und in Commission der Palm'schen Verlagsbuchhandlung, 1840.

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Erste Abtheilung: Die Affen und Fliederthiere. 1840. [xiv, (1), vi, 551 pp.]

Zweite Abtheilung: Die Raubthiere. 1841. [viii, 558 pp.]

Dritte Abtheilung: Die Beutelthiere und Nager (erster Abschnitt). 1843. [xiv, 614 pp.]

Vierte Abtheilung: Die Nager (zweiter Abschnitt), Zahnlücker, Einhufer, Dickhäuter und Wiederkäuer. 1844. [xii, 523 pp.]

Fünfte Abtheilung: Die Affen, Zahnlücker, Beutelthiere, Hufthiere, Insektenfresser und Handflügler. 1855. [xxvi, 810 pp.]

* The first series of letters is given in the list of monographs opposite title-pages, and the second in the table of contents of the 3d volume.

† The cacography of the original is copied.

1841.—Bonaparte, C. L. A new systematic arrangement of vertebrated animals. <Trans. Linn. Soc. London, xviii, 1841, pp. 247-304 (Classis i, Mammalia, pp. 247-258).

[In sequence, this is essentially similar to the "Synopsis vertebratorum systematis", but a "Conspectus familiarum et subfamiliarum", with diagnoses of the groups, replaces the "Index". As in the last, the groups Placentalia and Implacentalia are designated "series" and the Educabilia and Ineducabilia "subclasses", and the sequence of the subfamilies 15 and 16, 38 and 39, 54 and 55, are severally reversed. Compared with the first arrangement, the Hippopotamina, Rhinocerontina, and Tapirina are transfers from the Elephantidæ to the Suidæ; a new subfamily (23) Dinotherina forming with (24) Elephantina, the Elephantidæ, is interposed, whereby a total of 41 families and 76 subfamilies results. These modifications indicate the author's emendations since 1839, and therefore not the status of the article at the date of "reading".]

Coates, B. H. [On the use of the sutures of the cranium.] <Proc. Acad. Nat. Sci. Phila. i, 1841, pp. 69-71.

Fennell, J. H. A natural history of British and foreign quadrupeds; containing many modern discoveries, original observations, and numerous anecdotes. 8°. xv, 556 pp., 200 woodcuts. London, Joseph Thomas, 1841.

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1842.—Duvernoy, G. L. Supplément historique pour les mémoires, "Sur les dents des mammifères." <Comptes Rendus, Paris, xv, 1842, pp. 1000-1006.

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Smith, C. H. The naturalist's library. Edited by Sir William Jardine, Bart. - Vol. xv. Mammalia. Introduction to mammalia. 18°. Eng. title, 4 p. l., pp. 17-313, portrait of Drury, 30 col. pll. Edinburgh, W. H. Lizars [1842].

1843.—Bischoff, T. L. W. Ueber die erste Bildung des Centralnervensystems bei Säugethieren, mit Berücksichtigung der kritischen Beleuchtung meiner Beobachtungen durch Herrn Dr. Reichert. Mit 1 Taf. <Müller's Arch. f. Anat. 1843, pp. 252-275.

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Gray, J. E. List of the specimens of mammalia in the collection of the British Museum. Printed by order of the trustees. 16°. xxviii, 216 pp. London, 1843.

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Owen, R. Letter on R. Harlan's notice of new fossil mammalia. <Am. Journ. Sci. and Arts, xliv, 1843, pp. 341-345.

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1844.—Bischoff, T. L. W. Recherches sur la maturation et la chute périodique de l'œuf de l'homme et des mammifères. Avec 6 planches. <Ann. Sci. Nat. 3e sér. Zool. tome ii, 1844, pp. 104-164.

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Bourgery, J. M. Sur les masses comparatives que présentent dans l'homme et quelques animaux mammifères les différents organes qui composent le système nerveux. <Compt. Rend. Acad. Sci. Paris, tome xix, 1844, pp. 603-607; Institut, xii, no. 561, 1844, p. 321.

1844.—Milne-Edwards, H. Considérations sur quelques principes relatifs à la classification naturelle des animaux, et plus particulièrement sur la distribution méthodique des mammifères. < Ann. Sci. Nat. 3e série, Zoologie, tome i, 1844, pp. 65–99, with folded tab.

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[This is said to have furnished Mr. Pennant with much information respecting the mammalogy of the region.]

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[This 1st ed. of Jefferson's "Notes" was printed in Paris for private circulation (200 copies) without title-page, and is not to be regarded as published. I have not seen a copy; above title is quoted from Bartlett's Catalogue of the Library of John Carter Brown. From this came a French version, 1786; some say also 1785. For circumstances of the work prior to the regular publication of the English ed., see Bartlett, op. cit., 192; and especially Randall's Life of Jefferson, vol. i, p. 414 (8°, New York, 1858).—The date, 1782, is supposed to be that of preparation, not of printing, of the work. There have been numerous imprints; O'Callaghan's list of them (with some additional data) is as follows:—Ed. of 1782, without a title-page, 200 copies [privately printed].—Philadelphia, 1785 [supposed to be merely circulation there of some of the copies of 1782 ed.].—French version, 8°, Paris, 1785, and Paris, Barrois, 1786.—8°, London, Stockdale, 1787 [the first properly published ed. from which Jefferson's list of mammals acquires date].—8°, Philadelphia, Prichard & Hall, 1788, Philadelphia, 1792.—Philadelphia, Carey, 1794.—8°, Baltimore, 1800.—8°, New York, Davis, 1801 [called the "3d Amer. ed.", which it is not].—8°, Philadelphia, Rawle, 1801, "1st hot-pressed ed."—Boston, Carlisle, 1801, the 8th Amer. ed.—18°, Boston, Sprague, 1802, the 9th Amer. ed.—16°, Trenton, Wilson & Blackwell, 1803.—New York, 1804.—12°, Philadelphia, Hogan & Thompson, 1815.—Boston, 1829.—16°, Boston, 1832.—8°, Richmond, Randolph, 1853; also, 8°, Washington, 1854, being in vol. viii of Jefferson's "Works".]

1784.—Cook, J. Voyage to the Pacific Ocean in 1776–1780, performed under the direction of Captain Cook. 3 vols. 4°. London, 1784.

Pennant, T. Arctic zoology. Vol. i, Introduction. Class i, Quadrupeds. 4°. Eng. title, 4 pl., cc pp., 3 l., 185 pp., frontisp., 8 pl. London, printed by Henry Hughs, m.dcc.lxxxiv.

[The whole work, in 3 vols., dates 1784–87. There is a 2d ed. in 2 vols. 4°, 1792.]

1784–92.—Belknap, J. History of New Hampshire. 3 vols. 8°. Philadelphia and Boston. 2d ed., 8°. Boston, 1813.

1786.—Jefferson, T. Observations | sur | La Virginie, | par M. J * * *. | Traduites de l'anglois | [par l'Abbé Morellet.] | [Vignette.] | à Paris, | chez Barrois, [etc.] | — | 1786. 12°(?). 2 p. l., pp. viii, 290, 1 l. map, tab. [Contient une liste des mammifères de la Virginie.]

[A copy of the privately printed edition of 1782 having been surreptitiously obtained, this French version was made, printed, and published in advance of the authentic English ed. of 1787. See what is said under heads of the eds. of 1782 and 1787. The French version is utterly condemned by Jefferson. (See Randall's Life, vol. i, p. 414.)]

1787.—Jefferson, T. Notes | on the | State of Virginia. | Written by Thomas Jefferson. | Illustrated with | a map, including the States of Virginia, | Mary- | land, Delaware and Pennsylvania. | — | 8°. London: | printed for John Stockdale, opposite | Burlington-House, Piccadilly. | mdcclxxxvii. 1 vol. 8°. 2 p. l., 382 pp., map and folded table. [Contains a nominal list of animals of the State.]

[The original draft of this work, which bears date 1782, was imprinted (200 copies) for private circulation, without title-page, and cannot be considered as published. There was an anonymous French version in 1786. The English ed. of 1787 being the first one published with sanction of the author, and avowed by him, is the one from which Jefferson's list of the mammals acquires its proper date. (See the eds. of 1782 and 1786.)]

Zimmermann, E. A. W. Pennant's aretische Zoologie.—Thiergeschichte der nördlichen Polarländer aus dem Englishen des Herrn Thom. Pennant, mit Anmerkungen und Zusätzen durch E. A. W. Zimmermann. 2 vols. 4°. Leipzig, 1787.

1790.—Meares, J. Voyages to the northwest coast of America in 1788 and 1789. 4°. London, 1790.

1794.—Williams, S. Natural and civil history of Vermont. 8°. Walpole, N. H., 1794. 2 ed. 2 vols. 8°. Burlington, Vt., 1809.

1804.—Duralde, M. Abstract of a communication relative to fossil bones, &c., of the county of Opelousas west of the Mississippi to Mr. William Dunbar of the Natchez, and by him transmitted to the society. < Trans. Am. Philos. Soc. Phila. vi, 1804, no. x, pp. 55–58.

Watkins, J, Notices of the natural history of the northerly parts of Louisiana, in a letter from Dr. John Watkins to Dr. Barton. < Trans. Am. Philos. Soc. Phila. vi, no. xiv, 1804, pp. 69–72.

1807.—Gass, P. A journal | of the | voyages and travels | of a corps of discovery, | under the command of Capt. Lewis and Capt. | Clarke of the army of the United States, | from | the month of the river Missouri through the | interior parts of North America | to the Pacific Ocean, | during the years 1804, 1805, & 1806. | Containing | an authentic relation of the most interesting transactions | during the expedition,—a description of the country,— | and an account of its inhabitants, soil, climate, curiosities | and vegetable and animal productions. | — | By Patrick Gass, | one of the persons employed on the expedition. | — | With geographical and explanatory notes | by the publisher. | — | [Copyright secured according to law.] | Pittsburgh, | printed by Zadok Cramer, | for David M'Keehan, publisher and | proprietor, ... 1807. | 1 vol. 12°. i–viii, 9–262 pp. (No illustrations.)

[There are several later editions. The book refers to various mammals *passim*. See Lewis and Clarke, 1814.]

Hearne, S. Journey to the northern ocean, by Samuel Hearne, in the years 1769, 1770, 1771, and 1772. London, 1807.

1808.—Cuvier, G. Des os fossiles trouvés dans l'Amérique septentrionale. <Journ. de Phys. lxvii, 1808, pp. 331–333.

1811.—Rees, T. Travels on the Missouri and Arkansaw, by Lieutenant Pike, in 1805 and 1806. Edited by T. Rees, esq. London, 1811.

1814.—Brackenridge, H. M. Views of Louisiana. . . . 8°. Pittsburg, 1814.

Lewis, M., *and* Clarke, W. History | of | the expedition | under the command of | Captains Lewis and Clark, | to | the sources of the Missouri, | thence | across the Rocky Mountains | and down the | river Columbia to the Pacific Ocean. | Performed during the years 1804–5–6. | By order of the | government of the United States. | Prepared for the press | by Paul Allen, esquire. | In two volumes. | Vol. 1–[II]. | Philadelphia, | published by Bradford and Inskeep; and | Abm. H. Inskeep, Newyork. | J. Maxwell, printer. | 1814. 2 vols. 8°. Vol. I, i–xxviii, 1–470 pp., maps. Vol. II, i–ix, 1–522 pp., maps. (> Vol. II, Chap. VII, "A general description of the beasts, birds, and plants, &c. found by the party in this expedition", pp. 148–201.)

[This is the original ed. of the authentic narrative; there are many others later, *q. v.* See especially Coues, Bull. U. S. Geol. Surv. no. 6, 2d ser. 1876, pp. 417–444, for an account of these books, and of numerous spurious or collateral publications relating to the travels of these explorers.

Contains *passim*, and particularly at the place above specially indicated, an account of numerous mammals observed in the region traversed; none under binomial names; some of the accounts are our original notices of species. The mammalogical matter is important, as the basis of various binomial species, especially of Ord and Rafinesque.]

Lewis, M., *and* Clarke, W. Travels | to the | source of the Missouri River | and across the American continent | to the | Pacific Ocean. | Performed | by order of the government of the United States, | in the years 1804, 1805, and 1806. | — | By Captains Lewis and Clarke. | — | Published from the official report, | and | illustrated by a map of the route, | and other maps. | — | London: | printed for Longman, Hurst, Rees, Orme, and Brown, | Paternoster-Row, | — | 1814. One vol. 4°. i–xxiv, 1–663 pp., 1 folding and 2 full-page maps. (> Chap. XXIV, "A general description of the beasts, birds, and plants, &c., found by the party in this expedition", pp. 450–489.)

[Nearly identical, except in form, with the orig. ed. of same date, *q. v.*]

1815. -Lewis, M., *and* Clarke, W. Travels | to the source of | the Missouri River | and across the | American continent | to | the Pacific Ocean. | Performed by order of | the government of the United States, | in the years 1804, 1805, and 1806. | — | By Captains Lewis and Clarke. | — | Published from the official report, | and illustrated by a map of the route, | and other maps. | — | A new edition, in three volumes. | Vol. I, [II, III]. | — | London: | printed for Longman, Hurst, Rees, Orme, and Brown, | Paternoster-Row, | 1815. 3 vols. 8°. Vol. I, pp. i–xxvi, 1 l. not paged, 1–411, maps 3. Vol. II, pp. i–xii, 1–434, maps 3. Vol. III, pp. i–xii, 1–394. (> Vol. III, Chap. XXIV, "A general description of the beasts, birds, plants, &c., found by the party in this expedition", pp. 1–73.)

[Except in form, and in some minor details of typography incident to resetting of the type, this is identical with the 4° edition of 1814, *q. v.* It was reissued, 1817.]

Lewis, M., *and* Clarke, W. "Tagebuch e. Entdeckungsreise durch Nord-Amerika in d. Jahren 1804–6. Aus d. Engl. v. Weyland. Mit 1 Karte." <Neue Bibliothek der wichtigsten Beschreibungen u. s. w. (Weimar, gr.-8°, Bd. i, 1815).

[Title of a German version, quoted from Kayser. See the original, 1814.]

1815-20.—Ord, G. "A universal geography, or a view of the present state of the known world. Originally compiled by William Guthrie, esq.; the astronomical part by James Ferguson. Second American edition, 2 vols. 8vo. Philadelphia, 1815. Third American edition, 2 vols. 8vo. and one of maps, Philadelphia, Benjamin Warner, 1820."

[The foregoing copied from Baird. The work is rare. The only copy I have seen is entitled: "A new | geographical, | historical, | and commercial grammar; | and present state of the | several kingdoms of the world. | Containing | [. . . .] Johnson and Warner. Vol. ii, Philadelphia, 1815." This may not be exactly the same book as cited by Baird; it consists of prel. pp., pp. 1-663, maps, and has Ord's zoölogical matter at pp. 290-361, as cited by Baird. Mr. Ord's work here consists of compiled nomical lists of vertebrates, in which scientific names are originally imposed upon nearly all the species described by Lewis and Clarke, followed by descriptions of many of them. In the 3d ed. above cited from Baird, the lists of systematic names are omitted, but the other zoölogical matter is retained at pp. 141-189 of vol. i; Mr. Ord's name, however, is not given.]

1816-18.—Lewis, M., *and* **Clarke, W.** Reize | naar | de Bronnen van den Missouri, | en door het vaste land van America | naar de Zuidzee. | Gedaan op last van de regering der Vereenigde Staten van America, | in de jaren 1804, 1805 en 1806. | Door de Kapiteins | Lewis en Clarke. | Met eene kaart. | — | Uit het Engelsch vertaald door | N. G. Van Kampen. | — | Eerste, [tweede, derde en laatste,] deel. | * | Te Dordrecht, | bij A. Blussé & Zoon, | 1816 [1817, 1818]. 3 vols. 8°. Vol. I, 1816, pp. i-xxxii, 1-398, map. Vol. II, 1817, pp. i-viii, 1-390. Vol. III, 1818, pp. i-xii, 1-335.

[This appears to be a fair and complete version, probably made from the English 3-vol. edition of 1815, *q. v.*]

1817 (*prior to*).—**Le Raye, C.** Journal of Charles Le Raye, etc.

[I cite from memory a rare book I have seen; contains a curious figure of Antilocapra.]

1817.—Bradbury, J. Travels in the interior of North America in the years 1809, 1810, and 1811. 8° Liverpool, 1817.

Lewis, M., *and* **Clarke, W.** Travels, etc.

[An Irish edition of the work; 2 vols. 8°, Dublin, J. Christie, 1817. Said to be like the original.]

Rafinesque, C. S. Descriptions of seven new genera of North American quadrupeds. < Amer. Monthly Mag. ii, 1817, pp. 44-46.

[Mazama, Diplostoma, p. 44; Geomys, Cynomys, Anisonyx, Mynomes, p. 45; Lynx, p. 46.]

1818.—Rafinesque, C. S. Further discoveries in natural history, made during a journey through the Western States. < Amer. Monthly Mag. iii, 1818, pp. 445, 446.

[Musculus leucopus, M. nigricans, etc.]

1819.—Leach, W. E. Notice of some animals from the arctic regions. < Thomson, Ann. Phil. xiii, 1819, pp. 60-61.

Rafinesque, C. S. Prodrome de soixante-dix nouveaux genres d'animaux découverts dans l'intérieur des États-Unis d'Amérique, durant l'année 1818. < Journ. de Phys. lxxxviii, 1819, pp. 417-429.

Warden, D. B. A statistical, political, and historical account of the United States of North America. . . . . By D. B. Warden. 3 vols. 8°. Edinburgh, 1819.

[Numerous compiled notices of North American mammals.]

1820.—Harmon, D. W. A journal of voyages and travels in the interior of North America, between the 47th and 58th degrees of latitude, by Daniel William Harmon, a partner in the North West Company. Andover, 1820.

Rafinesque, C. S. Annals of nature, or annual synopsis of new genera and species of animals, plants &c. discovered in North America. 8°. Pamphl. 1820.

Warden, D. B. Description statistique, historique et politique des États-Unis de l'Amérique septentrionale, depuis l'époque des premiers établissemens jusqu'à nos jours; par D. B. Warden, . . . Édition traduite sur celle d'Angelterre, . . . 5 vols. 8°. Paris, 1820.

[Tome v, chap. xix, "Des quadrupèdes ou mammifères des États-Unis", pp. 606-648. Many changes introduced from the English edition.]

1821.—Schoolcraft, H. R. Travels to the sources of the Missouri River. Albany, 1821.

1823.—Sabine, J. Narrative of a journey (first) to the shores of the polar seas in 1819-1822. By Captain Franklin. . . . . 4°. London, 1823.

[Appendix, mammals, by J. Sabine.]

Say, T. Account of an expedition from Pittsburgh to the Rocky Mountains, performed in the years 1819 and '20, under the command of Major Stephen H. Long. Compiled by Edwin James. 2 vols. 8°. Philadelphia, 1823.

[Contains numerous important notices and original descriptions of mammals, by Thomas Say.]

1823.—Scoresby, W. Journal of a voyage to the northern whale-fishery. . . . . 1 vol. 8°. Edinburgh, 1823.

[Zoological appendix on the mammals of Greenland. Mus grœnlandicus, Traill, n. sp., p. 417.]

1824.—Sabine, E. Journal of a voyage for the discovery of a northwest passage from the Atlantic to the Pacific, performed in the years 1819 and 1820, in His Majesty's ships Hecla and Griper. By Capt. W. E. Parry: with a scientific appendix. . . . . 2 vols. 4°. London, 1821.—Supplement to the appendix. . . . . Vertebrata. By Edward Sabine. 4°. London, 1824.

1825.—Harlan, R. Fauna Americana: being a description of the mammiferous animals inhabiting North America. 8°. 318 pp., 1 l. Philadelphia, published by Anthony Finley, J. Harding, printer, 1825.

Richardson, J. Journal of a second voyage for the discovery of a northwest passage from the Atlantic to the Pacific, performed in 1821-23 in His Majesty's ships Fury and Hecla. By Capt. W. E. Parry. 4°. London, 1824.—Appendix: Vertebrata, by Dr. J. Richardson. 4°. London, 1825.

1826-28.—Godman, J. D. American natural history. Vol. i [vol. ii]. Part i. Mastology. Philadelphia, H. C. Carey and I. Lea, Chestnut-street, R. Wright, printer, 1826. [8°. Vol. i, eng. title, xvi + 17-362 pp., 21 pll.; vol. ii, eng. title, 331 pp., 19 pll.] Vol. iii. Part I. Mastology. Philadelphia, Carey, Lea & Carey, Chestnut-street, 1828. [Eng. title, 264 pp., 9 pll.]

[The foregoing is the original edition, now a rather rare work. A second edition, in three vols. 8°, was published in 1831, at Philadelphia, by Stoddart & Atherton. It is supposed to have been printed from the original stereotypes, as there appears to be no alteration. There is at least one other edition, of much later date.]

1827.—Harlan, R. Notice of certain prepared specimens of quadrupeds in the possession of a gentleman lately returned to Philadelphia from his travels in the United States and Territories. < Journ. Acad. Nat. Sci. Phila. vi, 1827, pp. 55-56.

Lichtenstein, K. M. H. Erläuterungen der Nachrichten des Franc. Hernandez von den vierfüssigen Thieren Neuspaniens. < Abhandl. K. Akad. Wiss. Berlin, 1827, pp. 89-129.

1828.—Richardson, J. Short characters of a few quadrupeds procured on Captain Franklin's late expedition. < The Zoological Journal, iii, no. 12, Jan.-Apr. 1828, pp. 516-520.

[All but 2 of the 13 spp. described are new, these short notices anticipating the fuller descriptions in the Fn. Bor.-Am. 1829. Sorex forsteri, p. 516; S. palustris, Arvicola borealis, A. (Lemmus) helvolus, Myoxus drummondii, p. 517; Cricetus talpoides, Mus leucopus (Raf.), Arctomys pruinosa (Penn.), p. 518; A. (Spermophilus) lateralis, Scinrus (Tamias) quadrivittatus, Pteromys sabrinus, P. alpinus, p. 519; Lepus (Lagomys) pinceps, p. 520. Republished, Féruss. Bull. xviii, 1829, pp. 102-103; Isis von Oken, 1830, pp. 1242-1244.]

1829.—Kaup, J. J. Skizzirte Entwickelungs-Geschichte und natürliches System der europäischen Thierwelt. 8°. Darmstadt, 1829.

Richardson, J. Fauna | Boreali-Americana; | or the | zoology | of the | northern parts | of | British America; | containing descriptions of the objects of natural history collected on the late northern land | expeditions, under command of Captain Sir John Franklin, R. N. | By | John Richardson, M. D., F. R. S., F. L. S. | . . . | surgeon and naturalist to the expeditions. | Assisted by | William Swainson, F. R. S., F. L. S., &c., | and the Reverend William Kirby, M. A., F. R. S., F. L. S., &c. | — | Illustrated by numerous plates. | — | Published under the authority of the right honourable the secretary of | state for colonial affairs. | — | London: | John Murray, Albemarle-street. | — | mdcccxxix.

Part first, containing the quadrupeds. By John Richardson. pp. xlii, 1 l., 300, pll. 27. 4°.

[One of the most important works ever published on North American mammals; for many years a principal source of our information respecting those of Arctic America, and continuing to be a standard treatise.]

1829-33.—Eschscholtz, F. Zoologischer Atlas, enthaltend Abbildungen und Beschreibungen neuer Thierarten, während . . . . in den Jahren 1823-26 beobachtet von Dr. Friedr. Eschscholtz. Folio. Berlin, i-iii, 1829, iv, 1831; v, 1833.

[The last part, posthumous, edited by Dr. M. H. Rathke, contains descriptions and figures of Canis ochropus, Arctomys caligata, Ovis nivicola, etc.]

1830.—Gapper, —. Observations on the quadrupeds found in the district of Upper Canada extending between York and Lake Simcoe, with the view of illustrating their geographical distribution, as well as of describing some species hitherto unnoticed. < Zool. Journ. v, 1830, pp. 201-207, figg.

[Sorex talpoides, Cricetus myoides, etc.]

1830-31.—Richardson, J. [Birds and mammalia collected during the last arctic land expedition under Sir John Franklin.] < Proc. Comm. Zool. Soc. London, i, 1830-31, p. 132.

1830-33.—Cabinet of natural history and American rural sports. With illustrations. 3 vols. 4°. Philadelphia. Published by J. & T. Doughty. Vol. i, 1830; ii, 1832; iii, parts i–iv, 1833.

[A rare book, of semi-scientific character, containing many accounts and colored plates of North American mammals, etc. The articles have been fully indexed for the present bibliography.]

1831.—**Ellsworth, H. L.** Notes on the wild animals of Illinois. < Ill. Mag. July, 1831; Featherstonhaugh's Mouth. Am. Journ. Geol. and Nat. Sci. Oct. 1831; Illinois in 1837, pp. —.

Wagler, J. Einige Mittheilungen über Thiere Mexicos. < Isis, xxiv, 1831, col. 510–535.

1831-36.—**Wagner, J. A.** Beiträge zur Kenntniss der warmblütigen Wirbelthiere Americas. < Abhandl. München, ii, 1831–36, pp. 417–510.

1832.—**Cox, R.** Adventures on the Columbia River. 8°. New York, 1832.

1832-41.—**Bonaparte, C. L.** Iconografia della fauna Italica, per le quattro classi degli animali vertebrati. Tomo i, Mammiferi e uccelli. Folio. Roma, 1832–41.

1834.—**Brandt, J. F.** Prodromus descriptionis animalium ab H. Mertensio observatorum. < Acad. Sci. Recueil. St. Pétersb. 1834, pp. 201–276.

Harlan, R. Critical notices of various organic remains hitherto discovered in North America. < Trans. Geol. Soc. Penna. i, 1834, pp. 46–112.

1835.—**Bennett, E. T.** Säugethiere aus Californien und Mexico. < Isis, 1835, pp. 524–525.

Ross, J. C. Appendix to the narrative of a second voyage in search of a northwest passage, and of a residence in the arctic regions. By Sir John Ross. . . . 1 vol. 4°. London, 1835.

[Including account of the objects in the several departments of natural history seen and discovered during the expedition, by Captain James Clark Ross, R. N.]

Troost, G. On the organic remains which characterize the transition series of the valley of the Mississippi. < Trans. Geol. Soc. Penna. i, 1835, pp. 248–250.

1836.—**Brandt, J. F.** Conspectus sectionum, generum, sub-generum et specierum novorum, quæ in fasciculo primi Prodromi descriptionem animalium a Mertensio in orbis terrarum circumnavigatione observatorum reperiuntur. < Ann. Sci. Nat. v (Zool.), 1836, pp. 180–188.

King, R. Narrative of a journey to the shores of the Arctic Ocean in 1833–35, under the command of Captain Back, R. N. By Richard King, M. R. C. S. . . . 2 vols. 12°. London, Richard Bentley, 1836.

[Notices Barren-ground Reindeer, Arctomys okanaganus, etc.]

Richardson, J. Narrative of the Arctic land expedition to the mouth of the Great Fish River and along the shores of the Arctic Ocean, in the years 1833, 1834, and 1835; by Captain Back, R. N. . . . 8°. [Other copies in 4°.] London, mdcccxxxvi. pp. i–x, 1 l., 1–663. Map and plates.

[Appendix contains zoölogical remarks by John Richardson.]

1837.—**Bell, T.** A history of British quadrupeds, including the cetacea. . . . Illustrated by nearly 200 woodcuts. 8°. xviii, 526 pp. London, John Van Voorst, . . . 1837.

Gervais, P. Sur les animaux mammifères des Antilles. < Soc. Philom. Extr. Procès. Verb. 1837, pp. 107–108; Institut, v, no. 218, 1837, pp. 253–254; Ann. Sci. Nat. 2e sér. viii, 1837, pp. 60–62.

Richardson, J. Report on North American zoology. < Sixth Ann. Rep. Brit. Assoc. for 1836, 1837, pp. 121–224.

[An important commentary on, and digest of, the then state of our knowledge on the subject. Some new species are described.]

1839.—**Bachman, J.** Description of several new species of American quadrupeds. < Journ. Acad. Nat. Sci. Phila. viii, 1839, pp. 57–73.

Bachman, J. List of quadrupeds procured by Mr. Townsend, and sent to the Academy of Natural Sciences. < Journ. Acad. Nat. Sci. Phila. viii, 1839, pp. 73–74.

Bachman, J. Additional species to the list of Mr. Townsend's quadrupeds. < Journ. Acad. Nat. Sci. Phila. viii, 1839, pp. 101–105.

Baer, K. E von. Ueber die Häufigkeit der Gewitter in den Polar-Regionen. < Poggend. Annal. xlviii, 1839, pp. 601–610.

Darwin, C. Narrative of the surveying voyages of his majesty's ships Hecla and Beagle. . . . In three volumes. Vol. iii. 8°. pp. xiv, 615, figg. London, 1839.

[This volume has secondary title: "Vol. III.—Journal and remarks. 1832–1836. By Charles Darwin. . . . " Contains important notices of animals. There is an American edition, 2 vols. 16°. New York, Harper & Brothers, 1846.]

1839.—Eydoux, F., *and* Gervais, P. Voyage autour du monde sur la corvette de l'état La Favorite, pendant les années 1830-32, . . . Tome v. Zoologie par MM. Eydoux et Gervais. 8°. Paris, Bertrand, 1839.

Gray, J. E. Descriptions of some mammalia discovered in Cuba by W. S. MacLeay. < Ann. Nat. Hist. iv, 1839, pp. 1-7.

Richardson, J. The zoology of Capt. Beechey's voyage. . . . 4°. London, 1839.
[Mammalia by Dr. J. Richardson.]

Townsend, J. K. Narrative of a journey across the Rocky Mountains to the Columbia River, and a visit to the Sandwich Islands, Chili, &c., with a scientific appendix. By J. K. Townsend. 8°. Philadelphia, 1839.

1839-41.—Maximilian, —. Reise in das innere Nord-America, in den Jahren 1832 bis 1834, von Maximilian Prinz zu Wied. 2 vols. 4°. Coblenz, J. Hoelscher, vol. i, 1839; vol. ii, 1841.
[Numerous important notices of North American mammals. The English translation, in 1 vol. 4°, and the French, in 3 vols. 8°, abridge, or scarcely reproduce, this matter.]

1840.—De Kay, J. E. Letter from J. E. De Kay, of the zoological department, May 7, 1839. < State of New York, ... Communication from the governor, transmitting several reports relative to the geological survey of the State, 1840, pp. —.
[A mere list of species, of no value.]

De Kay, J. E. Report of J. E. De Kay, of the zoological department. [On the fauna of New York. December 20, 1839.] < Ib.
[A list like the preceding.]

Emmons, E. Report on the quadrupeds of Massachusetts. 8°. Cambridge, 1840.

1840-41.—Low, D. Illustrations of the breeds of the domestic animals of Great Britain. 13 parts and supplementary part. With 56 coloured plates from drawings by W. Nicholson. 4°. London, Longman, Brown & Co., 1840–41.

1840-44.—Waterhouse, G. R. The zoology of H. M. S. Beagle. 4°. London, 1840–44.
[Mammalia by G. R. Waterhouse.]

1841.—Audubon, J. J., *and* Bachman, J. Descriptions of new species of North American quadrupeds. < Proc. Acad. Nat. Sci. Phila. i, 1841, pp. 92-103.

Audubon, J. J., *and* Bachman, J. Descriptions of new species of quadrupeds inhabiting North America. < Journ. Acad. Nat. Sci. Phila. viii, 1841, pp. 280-323.

Eydoux, F., *and* Souleyet, —. Voyage autour du monde, exécuté pendant les années 1836 et 1837, sur la corvette La Bonite. . . . . Paris, 1839-44. 8°. Zoologie, par Eydoux et Souleyet, 1841.

Lund, P. V. Blik paa Brasiliens Dyreverden. . . . . < Kongl. Danske Vidensk. Selsk. Naturv. och Math. Afhandl. viii, 1841.

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by Paul Allen, esq. | Revised and abridged by the omission of unimportant de- | tails, with an introduction and notes, | by Archibald M'Vickar. | In two volumes. | Vol. i[–ii]. | New York, Harper & Brothers, publishers, | Franklin Square, 1868.

[Two vols. 18°, some of the issues forming part of Harper's series, "The Family Library". Vol. I, pp. i–vi, i*–v*, vii–li, 53–371, 3 maps. Vol. ii, pp. i–x, 11–395, 3 maps. (>Vol. ii, Appendix, "Further enumeration and description of the quadrupeds, birds, fishes, and plants noticed during the expedition", pp. 339–378.)

Memoranda of the dates of the successive issues, most of which consisted of 250 copies:—September, 1842; January, 1843; May, 1843; January, 1844; July, 1845; April, 1847; May, 1850; August, 1851; June, 1855; April, 1858; November, 1860; February, 1868; March, 1871 (vol. ii); April, 1872 (vol. i); February, 1874 (vol. ii); December, 1875 (vol. i); in all fourteen issues of the whole work, under sixteen different dates.

This is an editorial abridgment, or digest, of the original of 1814, *q. v.*, faithfully and, on the whole, judiciously executed. The natural-history chapter, besides being relegated to an appendix, is transposed as to its botanical and zoological portions. It is furthermore abridged at the editor's discretion, the omissions being indicated by asterisks. A new feature is foot-note references to the pages of the body of the work on which the various species were before mentioned. This is a valuable set of cross-references, for the narrative accounts scattered through the work are often no less important than the formal notices themselves.]

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[The plates of this work are said to have been originally published in numbers, in oblong folio, without text, beginning as far back as 1840. The plates in the edition above given are in roy. 8°, intercalated with the text.

Another edition or reprint, in roy. 8°, plates intercalated, appears, pub. by V. G. Audubon, in numbers, 1851–54, designed to be bound in 3 vols. The copy examined is as follows:—"The quadrupeds of North America . . . . Vol. i, New York, published by V. G. Audubon, 1851", pp. i–viii, 1–384, pll. 1–50. Vol. ii (no title-page), pp. 1–334, 1 l., pll 51–100. Vol. iii, 1854, 1 p. l., pp. i–v, 1–348, pll. 101–155. Vols. ii and iii thus seem to be identical with the originals. Though vol. iii is dated 1854, pp. 1–254 are said to have appeared in 1853, the remainder in 1854.

These authors treat of 197 species, of which about 160 are figured. Few are here described as new, the original descriptions having mostly appeared elsewhere. See *e. g.* under dates 1839 and 1841. The technical portions of the work are supposed to be mainly attributable to Bachman, the other author having attended to the illustrations and portions of the biographical matter. Many of the plates were drawn by J. W. Audubon.]

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[Mammals, pp. 229–233.]

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[The preceding title is that of a separate edition issued from the same stereotype plates as the government edition. The latter bears the title of "Exploration and survey of the valley of the Great Salt Lake of Utah, including a reconnaissance of a new route through the Rocky Mountains. By Howard Stansbury, capt. corps topographical engineers. Printed by order of the Senate of the United States. Philadelphia, Lippincott, Grambo & Co., 1852." (An edition of the same work was subsequently printed by the Public Printer for the House of Representatives in 1853. This is much inferior in typography and illustrations.) The zoological portion of Stansbury's report was published in a separate pamphlet by the Smithsonian Institution, from the same stereotype plates, under the title of "Zoology of the valley of the Great Salt Lake of Utah. Mammals, by S. F. Baird, &c. Extracted from Capt. H. Stansbury's report to the United States Senate, March 10, 1852." 8°. Philadelphia, Lippincott, Grambo & Co., June, 1852. The entire work was published early in 1852. The pamphlet edition of the zoology was published and distributed in June, 1852.—(*Baird.*)]

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[Includes a synonymatic list of mammals found in Chili, pp. 163–171, and plate of Chlamyphorus truncatus.]

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INHALT:

1. Abhandlung: Selbstständige Mittheilungen über den äussern Bau des Zobels (*Mustela zibellina* var. *asiatica* und *americana*) im Vergleich mit dem des Baum- und Steinmarders. (Mit 4 Taf.) p. 2.
2. Abhandlung: Die Handflügler des Europäischen und Asiatischen Russland's, mit besonderer Beziehung auf die Geschichte ihrer Entdeckung, ihre Synonymie und geographische Verbreitung. p. 25.
3. Abhandlung: Beiträge zur nähern Kenntniss der Gattung Castor.
   1. Aufsatz: Untersuchung der Frage, ob der Biber Amerika's von dem des Europäisch-Asiatischen Continents specifisch verschieden sei? (Mit 3 Taf.) p. 43.
   2. Aufsatz: Ueber die Variation einzelner Knochen des Biberschädels, als schlagendes Beispiel der zuweilen sehr beträchtlichen, individuellen gestaltlichen Abweichung der Schädelknochen einzelner Thierarten. p. 67.
4. Abhandlung: Blicke auf die allmäligen Fortschritte in der Gruppirung der Nager mit specieller Beziehung auf die Geschichte der Gattung Castor, besonders des altweltlichen Bibers. p. 71.
5. Abhandlung: Untersuchungen über die craniologischen Entwickelungsstufen und die davon herzuleitenden Verwandtschaften und Classificationen der Nager der Jetztzeit, mit besonderer Beziehung auf die Gattung Castor. (Mit 12 lithographirten Tafeln.) p. 123.
   1. Theil: Craniologische Charakteristik der Ordnung der Nager. p. 129.
   2. Theil: Craniologische Charakteristik der einzelnen Nagergruppen. p. 138.
6. Abhandlung: Bemerkungen über die Bezeichnung des altweltlichen Bibers und Castoriums bei verschiedenen Volksstämmen. p. 337.
7. Abhandlung: Beiträge zur Kenntniss des Bibers bei den Arabern. p. 343.
8. Abhandlung: Mittheilungen über den Biber, wohl richtiger die Fisch- und Meerotter, aus chinesischen Schriftstellern nach Stanislaus Julien. p. 357.

Nachträge. p. 361.

Geoffroy St.-Hilaire, I. Voyage autour du monde sur la frégate La Vénus, commandée par Abel du Petit Thouars. Zoologie. Vertebrata. Mammifères, par M. Isidore Geoffroy St.-Hilaire. 1 vol. 8°. Paris, Gide et J. Baudry, 1855.

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[Oryctereetus cornutidens, n. sp., described p. 255.]

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[The contents of this volume (which is "Part i" of a "General report on the zoology of the several Pacific Railroad routes") consist entirely of "Mammals, by Spencer F. Baird". It is a work otherwise known as "Mammals of North America", the text having been reissued, in 1859, with the plates, and with the plates of the other volumes of Pacific Railroad reports, and others.

It is a systematic account of the mammals (exclusive of Cetacea, Chiroptera, Sirenia, and Pinnipedia) of North America, about 220 in number, and is by far the most important and most authoritative treatise which has ever appeared upon the subject.]

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[This the sixth volume of the Pacific Railroad Reports contains an important and interesting article, chiefly biographical, on the Mammals of California and Oregon, by Dr. J. S. Newberry, being pp. 35–72 (with 3 plates) of the report upon the Zoology of the Route, = chap. i of no. 2 of part iv of the volume.]

Reinhardt, J. Fortegnelse over Grönlands Pattedyr, Fugle og Fiske, ... <Rink, H., Grönland, geographisk og statistik beskrevet. Kjöbenhavn, 1857.

[Reprinted (from same types) with rest of natural history in the following work:—"Naturhistoriske Bidrag til en Beskrivelse af Grönland, af J. Reinhardt, J. C. Schiödte, O. A. L. Mörch, C. F. Lütken, J. Lange, H. Rink. . . . . Kjöbenhavn, Louis Kleins Bogtrykkeri, 1857." pp. 20–27.

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[From Ann. Mag. Nat. Hist. May, 1858.]

Cassin, J. United States | exploring expedition. | During the years 1838, 1839, 1840, 1841, 1842. | Under the command of | Charles Wilkes, U. S. N. | — |

Vol. viii. | — | Mammalogy | and | ornithology. | By | John Cassin, | member of the Academy of Natural Sciences of Philadelphia; of the American Philosophical Society; of the National Institute; of the Natural History Society of Charleston; of the Lyceum | of Natural History of New York; of the Natural History Society of Montreal; | corresponding member of the Zoological Society of London; honorary | member of the United Society of German Ornithologists, etc. | With a folio atlas. | — | Philadelphia; | J. B. Lippincott & Co. | 1858. Text, 4°, viii, 466 pp. Atlas, folio, 2 p. l., 42 col. pll. [See 1848, Peale, T. R.]

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[Above title taken from the separate reprint of 1875; contains an annotated list of mammals (47 spp.), pp. 90–95 (original pagination pp. 132–137), by Dr. Hayden. It is substantially the same as that published in 1862. See this date, Hayden, F. V.]

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[Treats of 67 spp., many of which are figured either on plates of the whole animal or of details of external form, or of skulls. These plates afterward formed part of the illustrations of Baird's Mammals of North America.]

Baird, S. F., *and* **Kennerly, C B. R.** Reports of explorations and surveys to ascertain the most practicable and economical route for a railroad from the Mississippi River to the Pacific Ocean . . . . Vol. x. 4°. Washington, 1859.

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BAIRD, S. F. Report . . . . by Lieut. R. S. Williamson. Part iv. Zoological Report. No. 3. Report on mammals of the route. pp. 81–82.

These reports are rather of a perfunctory character, as officialities of the publication, chiefly valuable for the plates. The make-up of this tenth volume of the Pacific Railroad Reports is such that it might be styled "The Bibliographer's Despair"; it contains about 20 different title-pages, and a corresponding number of different paginations.]

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[Chapter i.—Notes upon geographical distribution and variation with regard to the zoology of the Western United States as relates more particularly to mammals and birds. By Dr. H. C. Yarrow. pp. 19–34. Chapter ii.—Report upon the collections of mammals made in portions of Nevada, Utah, California, Colorado, New Mexico, and Arizona, during the years 1871, 1872, 1873, and 1874. By Dr. Elliott Coues and Dr. H. C. Yarrow. pp. 35–129.

The whole volume was not published until the year following the ostensible date, the first issue of copies from the printing-office having been made in September, 1876. Chap. ii consists of a general treatise upon the mammals of the southwestern portions of the United States, including many not collected by the Survey, and embraces also a monograph of the Chiroptera of North America. Prominence is given throughout the article to synonymatic lists of the species, these being more extensive than any previously collated. The text relates mainly to the habits and geographical distribution of the species, but the characters of the species and higher groups of the Bats are given, mainly upon the basis of Harrison Allen's memoir.]

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Memoirs of the Museum of Comparative Zoölogy, | at Harvard College, Cambridge, Mass. | Vol. iv. No. 10. | — | The American bisons, | living and extinct. | By J. A. Allen. | Published by permission of N. S. Shaler, director of the Kentucky | Geological Survey. | With 12 plates and a map. | University press, Cambridge: | Welch, Bigelow, & Co. | 1876.

4°. pp. i–ix, 1–246, 1 col. map, 12 pll., 13 ll., 2 woodcuts in text. Ed. of 500 copies.

[These two publications were simultaneous, and only differ in the titles. The following are the contents:—
Title. p. i.
Preliminary note (N. S. Shaler). p. iii.
Introduction. pp. v–ix.

PART I.

1. Distinctive characteristics and affinities of the bisons. pp. 1–3.
2. General historical account of the remains of extinct bisons hitherto found in North America. pp. 3–7.
3. Description of the extinct species. pp. 7–31.
4. Geographical distribution and geological position of the remains of the extinct bisons of North America. pp. 32–35.
5. Relation of the existing species of bisons to the extinct species. pp. 35, 36.
6. Description of the existing species. pp. 36–70.

PART II.

1. Geographical distribution, past and present, of Bison americanus. pp. 71–191.
2. Products of the buffalo. pp. 191–201.
3. The chase. pp. 202–215.
4. Domestication of the buffalo. pp. 215–221.

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Appendix ii (N. S. Shaler). pp. 232–236.

Index. pp. 237–246.

Map and 12 plates, each with unpaged explanatory leaf.

A complete and thoroughly reliable history of the most conspicuous and most important quadruped of America, prepared with the greatest care and pains, after protracted and patient research, by one of the most eminent theologists of the country.]

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Caton, J. D. A new Californian deer [Cervus macrotis var. californicus]. < Am. Nat. x, 1876, pp. 464–469.

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Murphy, J. M. Animals and scenery of the Northwest. < Rod and Gun, June 17, 1876.
[Chiefly relates to Ovis montana.]

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1877.—Allen, J. A. History of the American bison, Bison americanus. < Ann. Rep. U. S. Geol. Surv. Terr. for 1875, 1877, pp. 443–587. [Ed. of 7,000 cop.; also separate, 1,000 cop.]

[A republication of the original memoir (see 1876) under Dr. Coues's editorship, with the following changes:—

1. The omission of the illustrations, explanatory pages, and textual references.
2. The omission of the portion relating to the extinct species, the present reprint being confined to the one existing species, beginning at page 36 of the original.
3. The incorporation of the appendices in the body of the text.
4. The addition of much new matter by the author himself.
5. Various minor modifications with the slight alteration, chiefly verbal, of context incident thereto.
6. Alteration of the title and substitution of editorial preface for the preliminary matter of the original.

No editorial abridgment or digest of any part of the memoir was made, the portions of the memoir here reproduced being according to copy furnished by author, who added much new matter and made some little changes *passim* in the context. A few editorial notes, chiefly explanatory of modifications of the text, are introduced in brackets.]

Caton, J. D. The | antelope and deer | of | America. | A comprehensive scientific treatise upon the natural | history, including the characteristics, habits, | affinities, and capacity for domes- | tication of the | Antilocapra and Cervidæ of North America. | By | John Dean Caton, LL. D. | New York: | published by Hurd & Houghton. | Boston: H. O. Houghton and Company. | Cambridge: The Riverside Press. | 1877. 1 vol. 8°. pp. i–xvi (incl. titles and portrait), 17–426, with 54 woodcuts.

[In most respects the best treatise extant on the subject. Of the Cervidæ, all of which the author refers to the genus Cervus, 8 N. Amer. spp. are recognized:—CC. alces, canadensis, tarandus, tarandus arctica, macrotis, columbianus, virginianus, and acapulcensis.]

"El Cazador." Big horn [Ovis montana] hunting in California. < Forest and Stream, Jan. 11, 1877.

Murphy, J. M. Shooting the mountain goat. < Rod and Gun, Jan. 6 and 11, 1877.

Snow, M. A deer hunt in California. < Forest and Stream, Feb. 22, 1877.

"Penobscot." Antlered does. < Forest and Stream, Mar. 8, 1877.

"Penobscot." Habits and peculiarities of the moose. < Forest and Stream, Feb. 22, 1877.

Anon. Fate of the buffalo—its successors. < Forest and Stream, Mar. 15, 1877.

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1825.—Bojanus, L. Adversaria ad dentitionem equini generis et ovis domesticæ spectantes. < Nova Acta Acad. Leop. Carol. Nat. Cur. xii, part 2, 1825, pp. 695–708, 2 pll.

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[v. 1.] Petri Artedi Angermannia-Sueci Bibliotheca ichthyologica seu historia litteraria ichthyologiae in qua recensio fit auctorum, qui de piscibus scripsere, librorum titulis, loco & editionis tempore, additis judiciis, quid quivis auctor præstiterit, quali methodo et successu scripserit, disposita secundum sæcula in quibus quisquis auctor floruit. Ichthyologiæ pars i.—Lugdunum Batavorum, apud Conradum Wishoff. 1738. [iv, 66, 2 pp.]

[v. 2.] Petri Artedi Sueci Philosophia ichthyologica in qua quicquid fundamenta artis absolvit: Characterum scilicet genericorum, differentiarum specificarum, varietatum et nominum theoria rationibus demonstratur, et exemplis comprabatur. Ichthyologiæ pars ii.—Lugduni Batavorum, apud Conradum Wishoff. 1738. [iv, 92 pp.]

[v. 3.] Petri Artedi Sueci Genera piscium. In quibus systema totum ichthyologiæ proponitur cum classibus, ordinibus, generum characteribus, specierum differentiis, observationibus plurimis. Redactis speciebus 242 ad genera 52. Ichthyologiæ pars iii.—Lugduni Batavorum, apud Conradum Wishoff. 1738. iv, 88 pp.

[v. 4.] Petri Artedi Angermannia-Sueci Synonymia piscium fere omnium; in qua recensio fit nominum piscium, omnium facile authorum, qui unquam de piscibus scripsere: uti Græcorum, Romanorum, Barbarorum, nec non omnium insequentium ichthyologorum una cum nominibus inquilinis variarum nationum. Opus sine pari. Ichthyologiæ pars iv.—Lugduni Batavorum, apud Conradum Wishoff. 1738. iv, 118, 22 pp.

[v. 5.] Petri Artedi Sueci Descriptiones specierum piscium quos vivos præsertim dissecuit et examinavit, inter quos primario pisces regni Sueciæ facile omnes accuratissime describuntur cum non paucis aliis exoticis. Ichthyologiæ pars v.—Lugduni Batavorum, apud Conradum Wishoff. 1738. iv, 102 pp.

[As indicated in the title of the "Genera piscium" (v. 3), Artedi admitted into the system 242 nominal species under 52 genera, but in this number are included the Cetaceans (14 species representing 7 genera), which were regarded as constituting an order of fishes named Plagiuri.]

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1741.—Klein, J. T. Iacobi Theodori Klein Historiæ piscium naturalis promovendæ missus secundus de piscibus per pulmonibus spirantibus [Cete] ad iustum numerum et ordinem redigendis.—Accesserunt singularia: de i. Dentibus balænarum et elephantinis. ii. Lapide manati et tiburonis.—[Motto.] Cum figuris.—Gedani, litteris Schreiberianis. 1741. 4°. 3 p. l., 38 pp., 1 l., 6 tab.

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[Forms part of the Tableau Encyclopédique et Méthodique des trois Règnes de la Nature, tome clxxxiii.]

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1792.—Walbaum, J. J. Petri Artedi Sueci genera piscium. In quibus systema totum ichthyologiæ proponitur cum classibus, ordinibus, generum characteribus, specierum differentiis, observationibus plurimis. Redactis speciebus 242 [228] ad genera 62 [45]. Ichthyologiæ pars iii.—Emendata et aucta a Iohanne Iulio Walbaum M. D., Societatis Beroliuensis Naturæ Curiosorum, et Societatis Litterariæ Lubecensis Sodali. Cum tabula ænea.—Grypeswaldiæ, impensis Ant. Ferdin. Ant. Röse 1792. 8°. 4 p. l., 723 pp., 3 pll.

[A poor compilation, like Gmelin's, in which the various previously described species were introduced without a critical study into the system, and described in foot-notes in connection with the Artedian species, but combined under the Linnæan genera. The nominal species (and many are only nominal), excluding the cetaceans, are thus raised from 228 to about 965, without counting the species enumerated under the new genera of authors appended to the volume. The compilation has some value, not only on account of the original descriptions of species copied from previous authors, but because of the reproduction of the descriptions of the new genera introduced by various authors into the system. It is also of interest to the student of American species by reason of the incorporation therein, under specific names, of anonymous American species described by Schoepf.]

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[The first formal revision of the subject, being the foundation of our knowledge of the American species:—S. carolinensis, n. sp., p. 366, pl. 23, fig. 1; S. longirostris, n. sp., p. 370, pl. 23, fig. 2; S. cinereus, n. sp., p. 373, pl. 23, fig. 3; S. dekayi (Cooper), n. sp., p. 377, pl. 23, fig. 4; S. brevicaudus, Say, p. 381; S. richardsonii, Bach. (= S. parvus, Rich. nec Say), p. 383, pl. 24, fig. 5; S. fosteri, Rich., p. 386, pl. 24, fig. 6; S. cooperi, n. sp., p. 388, pl. 24, fig. 7; S. fimbripes, n. sp., p. 391, pl. 24, fig. 8; S. parvus, Say, p. 394 (descr. copied); S. palustris, Rich., p. 396 (copied); S. talpoides, Gapper, p. 397 (copied); S. personatus, I. St.-Hil., p. 398.—13 spp.; 6 new; 1 renamed; 2 identified; 4 merely quoted.]

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Gervais, P. Mémoire sur les formes cérébrales propres aux marsupiaux. < Nouv. Arch. Mus. Hist. Nat. Paris, t. v, 1869, Mém. pp. 229–251, pll. 13, 14.

McCoy, F. On the species of wombats [Phascolomyidæ]. (Abstract.) < Trans. and Proc. Roy. Soc. Victoria, viii, 1868, pp. 266–270.

Peters, W. Ueber das Os tympanicum und die Gehörknöchelchen der Schnabelthiere in Bezug auf die Frage von der Deutung des Quadratbeines bei den Vögeln. < — ? Also, Ann. and Mag. Nat. Hist. i, 1868, pp. 779–782, with 1 pl.

Sander, J. Ueber das Quercommissurensystem des Grosshirns bei den Beutelthieren [Marsupialia]. < Arch. Anat. 1868, pp. 711–718, with 1 pl.

1869.—*Editorial.* Marsupial dogs. < Am. Nat. iii, 1869, p. 53. [From Q. J. Sci. Jan. 1869, which see for author.]

1871.—Coues, E. On the myology of the Ornithorhynchus. < Comm. Essex Inst. vi, 1871, pp. 128–173.

1872.—Coues, E. The osteology and myology of Didelphys virginiana. With an appendix on the brain, by Jeffries Wyman. < Mem. Boston Soc. Nat. Hist. ii, 1872, art. 3, pp. 41–154.

Lincecum, G. The opossum. < Am. Nat. vi, 1872, pp. 555–557.

1876.—Barnard, W. S. Observations on the development of Didelphys virginiana. < Proc. Am. Assoc. Adv. Sci. xxiv, 1876, pp. 145–147, figg. 1–4.

Q.—ADDENDA.

[For most of the following titles, the compilers are indebted to the kind attentions of Mr. J. A. Allen. They were received during the printing of the Bibliography, but too late for insertion under their proper heads, and represent, in particular, many important palæontological papers by Leidy, Marsh, and Cope.]

1780.—Clavigero, F. S. Storia antica del Messico. 4 vols. 4°. Cesena, 1780.

1782.—Mackenzie, A. A general history of the fur trade from Canada to the northwest. < Mackenzie's Voyages, etc. vol. i, 1792, pp. 1–162.

1787.—Clavigero, F. S. History of Mexico, translated from the Italian by C. Cullen. 2 vols. 4°. London, 1787. [Contains an alphabetical list of Mexican mammals, with descriptions and remarks.]

1815.—Illiger, C. Ueberblick der Säugthiere nach ihrer Vertheilung über die Welttheile. < Abhandl. der Königl. Akad. der Wissensch. in Berlin, 1804–11 (1815), pp. 39–159.

1821.—Kernsten, H. Capitis Trichechi rosmari descriptio osteologica. Berol., 1821.

1826.—Ross, J. C. Zoölogical appendix to Parry's third voyage. Mammals, pp. 92–95. [8 species.]

1827.—Williamn, J. L. A view of West Florida, embracing its geography, topography, etc. 8°. Philadelphia, 1827. [Contains list of mammals.]

1828.—Ross, J. C. Zoölogical appendix to Parry's fourth voyage. Mammals, pp. 190–192. [9 species.]

1829.—Field, D. D. History of Berkshire County, Mass. 18°. Pittsfield, 1829. [List of mammals, pp. 36–38.]

1830.—*Anon.* Quadrupeds. <Cab. Nat. Hist. i, 1830, p. 216.

1831.—Frémery, N. C. de. Bijdragen tot de natuurlijke geschiedenis van den walrus en de kennis der verscheidenheden, welke onder deze dieren voorkommen. <Bijdr. tot de natuurk. Wetensch. vi, 1831, pp. 360–392, with a plate.

1837.—Williams, J. L. The Territory of Florida; or sketches of the topography, civil and natural history of the country, the climate, and the Indian tribes, from the first discovery to the present time, with a map, views, etc. New York, A. T. Goodrich, 1837.

1841.—Harlan, R. Models of the fossil remains of the Dinotherium giganteum. <Am. Journ. Sci. and Arts, xli, 1841, p. 178.

1842–43.—Holböll, C. Bemærkninger over nogle pattedyrs og fugles dykkeevne. <Nat. Tidssk. iv, 1842–43, pp. 277, 278.

1844.—Morton, S. G. On a new species of Hippopotamus [H. minor]. <Proc. Acad. Nat. Sci. Phila. ii, 1844, pp. 14–17, with 2 figg.

Plummer, J. T. Scraps in natural history. Quadrupeds. [Mammals of Wayne County, Indiana.] <Am. Journ. Sci. and Arts, xlvi, 1844, pp. 236–249.

1845.—Wyman, J. [On the fossil skeleton of Hydrarchos sillimani.] <Proc. Boston Soc. Nat. Hist. ii, 1845, pp. 65–68.

1846.—Lister, G. [On the allegations of Dr. Koch respecting the discovery of Hydrarchos.] <Proc. Boston Soc. Nat. Hist. ii, 1846, pp. 94–96.

1846–49.—Holböll, C. Notice over Grönlænderues kiperkarnak [Balæna]. <Nat. Tidssk. ii, 1846–49, pp. 308–310.

1847.—Müller, J. Ueber die von Herrn Koch in Alabama gesammelten fossilen Knochenreste seines Hydrarchos. <Archiv für Anat. 1847, pp 363–396.

Müller, J. Untersuchungen über den Hydrarchos. <Bericht Verh. K. Pr. Akad. Wiss. Berlin, 1847, pp. 103–114.

Ritzius, A. [On the Hydrarchos of Koch.] <Am. Journ. Sci. and Arts (2), iv, 1847, pp. 421, 422.

Editorial. Harlanus, a new genus of fossil pachyderms. <Am. Journ. Sci. and Arts (2), iii, 1847, p. 125.

1850.—Leidy, J. [On Eucrotaphus jacksoni and Archæotherium mortoni.] <Proc. Acad. Nat. Sci. Phila. v, 1850, pp. 90–93.

1851.—Girard, C. Iconographic encyclopædia of science, literature, and art. Systematically arranged by J. G. Heck. Translated from the German, with additions, and edited by Spencer F. Baird, . . . In four volumes. . . . New York, 1851: Rudolph Garrigue, publisher, . . . [Vol. ii: [xx-v pp.+], Botany [203 pp.], Zoology [502 pp.], Anthropology and surgery [219 pp.+] + Indexes, xii, xvi, v [+ 1] pp.]

[Contains, pp. 392–502, a chapter on Mammals, by Charles Girard.]

Girard, C. Outlines of general zoology. Mammals, by Charles Girard. Birds, by John Cassin. Reptiles, by Spencer F. Baird. Fishes, by Spencer F. Baird. Invertebrates, by S. S. Haldemann. [Edited by Spencer Fullerton Baird.] Reprinted from the Iconographic Encyclopedia of Science, Literature, and Art. New York: Rudolph Garrigue, publisher, ... 1851. 8°. 2 p. l., ix–xxi, 502, xvi pp.

[A reprint of the "Zoology" of the preceding volume with special title-page and introductory notice. The chapter on Mammals occupies 111 pp. (392–502).]

Leidy, J. [On some fossils—*i. e.*, Arctodon—from Nebraska.] <Proc. Acad. Nat. Sci. Phila. v, 1851, p. 278.

1852.—Leidy, J. Remarks on a fossil vertebra—of Pontogenus priscus, n. sp.—from Ouachita, La. <Proc. Acad. Nat. Sci. Phila. vi, 1852, p. 52.

1858.—Chadbourne, P. A. List of mammals of the vicinity of Williamstown, Mass. < Williams Quarterly, v, June, 1858, pp. 356, 357. [A nominal list of 35 species.]

Emmons, E. [Fossil mammals of North Carolina.] < Rep. Geol. Survey North Carolina, 1858, pp. 196–212, figg. 18–34. [Equus, Sus, Mastodon, Elephas, Cervus, Balæna, etc.]

Hind, J. H. Catalogue of the animals of Rupert's Land. < Rep. of Expl. of Country between Lake Superior and Red River Settlement, 1858, pp. 406–409.

1859.—Winans, E. W. Mephitis quaterlinearis [n. sp.].—Win.—Four-striped skunk. < Unknown newspaper, date 1859. [See Coues's Monogr. Mustelidæ, p. 239.]

1860.—Prout, H. A. [On a fossil tooth from Virginia.] < Trans. Acad. Sci. St. Louis, i, 1860, pp. 699, 700.
[Named Leidyotherium (without specific name), and referred near Titanotherium.]

1861.—Ross, B. R. [Nominal list of the mammals of British America.] < Edinburgh New Philos. Journ. xiii, 1861, pp. 161–—.

1862.—Wood, C. B. Remarks on the natural history of British Columbia and Vancouver. < Mayne's (R. C.) Four Years in British Columbia and Vancouver Island. [Mammals, pp. 414–416.]

1864.—*Editorial.* Mesozoic mammals. < Am. Journ. Sci. and Arts (2), xxxviii, 1864, p. 285.

1865.—Beneden, P. J. Van. Recherches sur les squalodons. < Mém. Acad. Roy. Belgique, xxxv, 1865.

1867.—Seeley, H. E. The laws which have determined the distribution of life and rocks. < Ann. and Mag. Nat. Hist. (3), xx, 1867, pp. 404–415.

1868.—Leidy, J. Indication of an Elotherium [E. superbus, n. s.] in California. < Proc. Acad. Nat. Sci. Phila. 1868, p. 177.

Leidy, J. Notice of some remains of extinct pachyderms. < Proc. Acad. Nat. Sci. Phila. 1868, pp. 230–233.

Marsh, O. C. Notice of a new and diminutive species of fossil horse (Equus parvulus) from the tertiary of Nebraska. < Am. Journ. Sci. and Arts, 2d ser. xlvi, 1868, pp. 374, 375.

1868–74.—Milne-Edwards, H. *and* A. Recherches pour servir à l'histoire naturelle des mammifères. . . . Paris: Victor Masson et fils, 1868–1874. 2 vols. 4°. Vol. i, 2 p. l., pp. 394; vol. ii, pp. viii, pll. 105, with 105 ll. explanatory. [Compare defective title, *antea*, p. 978.]

1869.—Cope, E. D. Synopsis of the extinct mammalia of the cave formations in the United States, with some observations on some Myriopoda found in and near the same, and on some extinct mammals of the caves of Anguilla, W. I., and of other localities. < Proc. Am. Philos. Soc. Phila. xi, 1869, pp. 171–192, pll. iii–v.
[Twenty-seven species from caves of different parts of the United States, fourteen of them extinct and thirteen still existing. The following extinct species are described as new:—Stereodectes tortus, Tamias lævidens, Sciurus pauulius, Mixophagus spelæus, Galera perdicida; also, Amblyrhiza inundata and Loxomylus longidens (gen. et spp. nn.) from Anguilla, W. I., and Anoplonassa forcipata, Hemicaulodon effodiens (gen. et spp. nn.), extinct marine species, the first allied to the Cetacea, from near Savannah, Ga., and the last a Sirenian, from Keyport, N. J.]

1870.—Brandt, J. F. Beiträge zur Naturgeschichte des Elends in Bezug auf seine morphologischen und palæontologischen Verhältnisse, sowie seine geographische Verbreitung, nebst Bemerkungen über die miocäne Flora und Insectenfauna des Hochnordens. < Mém. Acad. St. Pétersb. xvi, no. 5, 1870, pp. 84, with 3 pll.

Cope, E. D. Fourth contribution to the history of the fauna of the miocene and eocene periods of the United States. < Proc. Am. Philos. Soc. Phila. xi, 1870, pp. 285–294.
[Mammals, Eschrichtius polyporus (sp. nov.), Mesoteras kerrianus (gen. et sp. nov.), Sus ——?, Thinotherium annulatum (gen. et sp. nov.).]

Cope, E. D. [Remarks on vertebrate remains from caves of Anguilla, W. I.] < Proc. Am. Philos. Soc. Phila. xi, 1870, p. 608.
[Loxomylus latidens characterized, and bones of a small deer referred to.]

Leidy, J. [On Dromatherium silvestre: its apparent want of a mandibular condyle.] < Proc. Acad. Nat. Sci. Phila. 1870, p. 9.

Leidy, J. [Remarks on Megacorops coloradensis, n. s.] < Proc. Acad. Nat. Sci. Phila. 1870, pp. 1, 2.

1871.—Cope, E. D. The method of creation of organic forms. < Proc. Am. Philos. Soc. Phila. xii, 1871, pp. 229–263

Cope, E. D. [Note on] the Port Kennedy Bone Cavern. < Proc. Am. Philos. Soc. Phila. xii, 1871, p. 15.

1871.—Cope, E. D. Preliminary report on the vertebrata discovered in the Port Kennedy Bone Cave [Chester County, Penna.]. <Proc. Am. Philos. Soc. Phila. xii, 1871, pp. 73–102, figg. 1–20.

[Remains of 34 species of mammalia, nearly all extinct, as follows:—Edentata, 6; Rodentia, 14; Insectivora, 2; Ungulata, 10; Carnivora, 4. The following described as new:—Megaloayx loxodon, M. wheatleyi, M. sphenodon, M. tortulus, Sciurus calycinus, Arvicola specthea, A. tetradelta, A. didelta, A. involuta, A. sigmodus, A. hiatidens, Erethizon cloacinum, Praetherium palatinum.]

Leidy, J. Notes on the American mastodon and other fossils. <Am. Journ. Sci. and Arts, 3d ser. i, 1871, pp. 63–65. (From Proc. Acad. Nat. Sci. Phila. Sept. 1870.)

Leidy, J. Report on the vertebrate fossils of the tertiary formations of the West. <Ann. Rep. U. S. Geol. Surv. Terr. for 1870, 1871, pp. 340–370.

[A general summary, so far as mammals are concerned, of the same author's "Extinct Mammalian Fauna of Dakota and Nebraska".]

Marsh, O. C. Notice of some new fossil mammals from the tertiary formation. <Am. Journ. Sci. and Arts, 3d ser. ii, 1871, pp. 35–44.

[Spp. nn. Titanotherium? anceps, Palæosyops minor, Lophiodon bairdianus, L. affinis, L. nanus, L. pumilus, Anchitherium gracilis, Lophiotherium (nov. gen.) hallardi, Elotherium lentus, Platygonus ziegleri, P. striatus, P.? condooi, Dicotyles hesperius, Hyposodus gracilis, Limnotherium tyrannus, L. elegans.]

Marsh, O. C. Notice of some new fossil mammals and birds from the tertiary formations of the West. <Am. Journ. Sci. and Arts, 3d ser. ii, 1871, pp. 120–127.

[Mammals, spp. nn. Arctomys vetus, Geomys bisulcatus, Sciuravus (nov. gen.) nitidus, S. undans, Triscodon (nov. gen.) fallax, Canis montanus, Vulpavus (nov. gen.) palustris, Amphicyon angustidens.]

1872.—[Cope, E. D.] The armed Metalophodon. [*anon.*] <Am. Nat. vi, 1872, pp. 774, 775.

Cope, E. D. Descriptions of some new vertebrata from the Bridger group of the eocene. =Palæont. Bull. no. 1, July 29, 1872, pp. 1–6; <Proc. Am. Philos. Soc. Phila. xii, 1872, pp. 460–465.

[Mam. (pp. 1–2), spp. nn. Mesonyx obtusidens, Triacodon aculeatus, Lophiotherium pygmæum.]

Cope, E. D. Second account of the new vertebrata from the Bridger eocene. =Palæont. Bull. no. 2, Aug. 3, 1872, pp. 1–3; <Proc. Am. Philos. Soc. xii, 1872, pp. 466–468.

[Spp. nn. Helotherium procyonimum, Stypolophus (gen. nov.) pungens, Pantolestes (gen. nov.) longicaudus (*sic*), Pseudotomus (gen. nov.) hiatus.]

Cope, E. D. Third account of new vertebrata from the Bridger eocene of Wyoming Valley. =Palæont. Bull. no. 3, Aug. 7, 1872, pp. 1–4; <Proc. Am. Philos. Soc. Phila. xii, 1872, pp. 469–472.

[Mamm. (pp. 1, 2), spp. nn. Stypolophus insectivorus, S. brevicolcaribus, Miacis (gen. nov.) parvivorus, Tomitherium (gen. nov.) rostratum.]

Cope, E. D. Notices of new vertebrata from the upper waters of Bitter Creek, Wyoming Territory. =Palæont. Bull. no. 6, Aug. 20, 1872, pp. 1–4; <Proc. Am. Philos. Soc. Phila. xii, 1872, pp. 483–486. [Mam. spp. nn. Synoplotherium (gen. nov.) lanius, Eobasileus (gen. nov.) cornutus.]

Cope, E. D. Second notice of extinct vetebrates from Bitter Creek, Wyoming. =Palæont. Bull. no. 7. Aug. 22, 1872, pp. 1, 2; <Proc. Am. Philos. Soc. Phila. xii, 1872, pp. 487, 488.

[Spp. nn. Palæosyops vallidens, Loxolophodon cornutus, L. furcatus, L. pressicornis.]

Cope, E. D. On Bathmodon, an extinct genus of ungulates. <Proc. Phil. Soc. Phila. xii, 1872 pp. 417–420. [Spp. nn. Bathmodon radians, B. semicinctus.]

Cope, E. D. [On Bathmodon radians, n. sp.] <Proc. Acad. Nat. Sci. Phila. 1872, p. 38.

Cope, E. D. On the cranium of a hump-backed whale [Megaptera bellicosa]. <Proc. Acad. Nat. Sci Phila. 1872, p. 11.

Cope, E. D. On the dentition of Metalophodon. <Proc. Am. Philos. Soc. Phila. xii, 1872, pp. 542–545.

Cope, E. D. On a new genus of Plenrodira from the eocene of Wyoming. <Proc. Am. Phil. Soc. Phila. xii, 1872, pp. 472, 473. [Includes also the ungulate species Notharctus vasacciensis.]

Cope, E. D. On a new vertebrate genus from the northern part of the tertiary basin of Green River. =Palæont. Bull. no. 8, Oct. 12, 1872, p. 1; <Proc Am. Philos. Soc. Phila. xii, 1872, p. 554.

[Aeaptomorphus æmulus.]

Cope, E. D. On the vertebrate fossils of the Wahsatch strata. <Ann. Rep. U. S. Geol. Surv. Terr. for 1871, 1872, pp. 350–353. [On the genus Bathmodon.]

Cope, E. D. Telegram respecting extinct proboscidians from Wyoming. =Palæont. Bull. no. 5, Aug. 19, 1872 (10 lines); also, somewhat modified, Proc. Am. Philos. Soc. Phila. xii, 1872, p. 580, *q. v.* [Loxolophodon cornutus, L. furcatus, L. pressicornis.]

Leidy, J. On some new species of fossil mammalia from Wyoming. <Am. Journ. Sci. and Arts, 3d ser. iv, 1872, pp. 239, 240.

[Spp. nn. Palæosyops humilis, Uintatherium robustum, Uintamastix atrox.]

1872.—Leidy, J. On the fossil vertebrates of the early tertiary formation of Wyoming. <Ann. Rep. U. S. Geol. Surv. Terr. for 1871, 1872, pp. 353–372. [Mammals, pp. 353–365.]

Marsh, O. C. Communication on the discovery of new Rocky Mountain fossils. <Proc. Am. Philos. Soc. Phila. xii, 1872, pp. 578, 579.

Marsh, O. C. Discovery of fossil Quadrumana in the eocene of Wyoming. <Am. Journ. Sci. and Arts, 3d ser. iv, 1872, pp. 405, 406.

Marsh, O. C. Note on a new genus of carnivores from the tertiary of Wyoming. <Am. Journ. Sci. and Arts, 3d ser. iv, 1872, p. 406.

[Oreocyon, type-species O. latidens = Limnofelis latidens, Marsh.]

Marsh, O. C. Note on Tinoceras anceps. <Am. Journ. Sci. and Arts, 3d ser. iv, 1874, p. 322.

[Titanotherium? anceps referred to Tinoceras, and stated to be a Proboscidian.]

Marsh, O. C. Notice of a new species of Tinoceras. <Am. Journ. Sci. and Arts, 3d ser. iv, 1872, p. 323. [Tinoceras grandis. The peculiar group to which it belongs named Tinoceridæ.]

Marsh, O. C. Notice of some remarkable fossil mammals. <Am. Journ. Sci. and Arts, 3d ser. iv, 1872, pp. 343, 344.

[Dinoceras lacustris described. Dinoceras and Tinoceras considered as representing a distinct order, called Dinocera.]

Marsh, O. C. Preliminary description of new tertiary mammals. Part i. <Am. Journ. Sci. and Arts, 3d ser. iv, 1872, pp. 122–128.

[Spp. nn. Palæosyops laticeps, Telmatotherium (nov. gen.) validus, Lymnobyus (nov. gen.) robustus, Hyracbus princeps, Homacodon (nov. gen.) vagans, Lymnocyon (nov. gen.) verus, Viverravus (nov. gen.) gracilis, Nyctitherium (nov. gen.) velox, N. priscus, Talpavus (nov. gen.) nitidus.]

Marsh, O. C. Preliminary description of new tertiary mammals. Parts ii, iii, iv. <Am. Journ. Sci. and Arts, 3d ser. iv, 1872, pp. 202–224.

[Spp. nn. Limnofelis (nov. gen.) ferox, L. latidens, Lymnocyon riparius, L. agilis, Thinocyon (nov. gen.) velox, Viverravus (?) nitidus, Thinolestes (nov. gen.) anceps, Telmalestes (nov. gen.) crassus, Limnotherium affine, Orohippus pumilus, Helohyus (nov. gen.) plicodon, Thinotherium (nov. gen.) validum, Passalacodon (nov. gen.) litoralis, Anisacodon (nov. gen.) elegans, Centetodon (nov. gen.) pulcher, Stenacodon (nov. gen.) rarus, Antiacodon (nov. gen.) venustus, Bathrodon (nov. gen.) typus, B. annectens, Mesacodon (nov. gen.) speciosus, Hemiacodon (nov. gen.) gracilis, H. usnus, H. pucillus (*sic*), Centetodon altidens, Entomodon (nov. gen.) comptus, Entomacodon (nov. gen.) minutus, Cetracodon (nov. gen.) delicatus, Nyctilestes (nov. gen.) serotinus, Ziphacodon (nov. gen.) rugatus, Harpolodon (nov. gen.) sylvestris, H. vulpinus, Orotherium (nov. gen.) pintanum, Helaletes (nov. gen.) boop, Paramys robustus, Tillomys (nov. gen.) senex, T. parvus, Taxymys (nov. gen.) lucatis, Sciuravus parvidens, Colonomys (nov. gen.) celer, Apatemys (nov. gen.) bellus, A. bellulus, Entomacodon angustidens, Triacodon grandis, T. nanus, Euryacodon (nov. gen.) lepidus, Palæacodon vagus.]

1873.—Adams, A. L. Field and forest rambles, with notes and observations on the natural history of Eastern Canada. 8°. London, 1873.

[List of mammals, pp. 295, 296, and many valuable notes *passim*.]

Cope, E. D. Second notice of extinct vertebrata from the tertiary of the plains. =Palæont. Bull. no. 15, Aug. 20, 1873, pp. 1–6.

[Mamm. spp. nn. Palæolagus agapetillus, Colotaxis cristatus, Hyracodon quadriplicatus, H. acridens, Symborodon torrus, Miobasileus ophryas, Megaceratops acer, M. heloceras.]

Cope, E. D. Third notice of extinct vertebrata of the tertiary of the plains. =Palæont. Bull. no. 16, Aug. 20, 1873, pp. 1–8.

[Spp. nn. Domina (gen. nov.) gradata, Herpetotherium (gen. nov.) fozax, Daptophilus (gen. nov.) squalidens, Tomarctus (gen. nov.) brevirostris, Stibarus (gen. nov.) obtosilobus, Cania gregarius, Isacus (gen. nov.) caniculus, Palæolagus turgidus, P. triplex, Tricium (gen. nov.) avunculus, T. leporinum, T. paniense, Gymnoptychus (gen. nov.) chrysodon, G. nasutus, G. trilophus, G. minutus, Anchitherium cuneatum, Leptauchenia calcarata, L. minima, Trimerodus (gen. nov.) cedrensis.]

Cope, E. D. Fourth notice of extinct vertebrata from the Bridger and Green River tertiaries. =Palæont. Bull. no. 17, Oct. 25, 1873, pp. 1–4.

[Spp. nn. Eobasileus galeatus, Archænodon (gen. nov.) insolens, Phenacodus (gen. nov.) primævus, Orotherium index.]

Cope, E. D. [On a supposed fossil skull of a hog.] <Proc. Acad. Nat. Sci. Phila. 1873, p. 207.

Cope, E. D. On the short-footed Ungulata of the eocene of Wyoming. <Am. Philos. Soc. Phila. xiii, 1873, pp. 38–74, pll. i–iv.

[On the systematic position and characters of Loxolophodon, Eobasileus, Uintatherium, Megaceratops, Bathmodon, and Metalophodon.]

Cope, E. D. On the flat-clawed carnivora of the eocene of Wyoming. <Proc. Am. Philos. Soc. Phila. xiii, 1873, pp. 198–209. [Genera Mesonyx and Synoplotherium.]

1873.—Cope, E. D. On two new perissodactyles from the Bridger eocene. =Palæont. Bull. no. 11, Jan. 31, 1873, pp. 2; <Proc. Am. Philos. Soc. Phila. xiii, 1873, pp. 35, 36.

[Spp. nn. Lymnobyus lævidens, Palæosyops fontinalis.]

Cope, E. D. On some eocene mammals obtained by Hayden's geological survey of 1872. =Palæont. Bull. no. 12, March 8, 1873, pp. 1–6.

[Spp. nn. Microsyops vicarius, Antiacodon furcatus, Oligotomus (gen. nov.) cinctus, Paramys leptodus, Palæosyops diaconus, Hydrachyus implicatus. Refereuces to 16 otber species.]

Cope, E. D. On the extinct vertebrata of the eocene of Wyoming, observed by the expedition of 1872, with notes on the geology. <Ann. Rep. U. S. Geol. Surv. Terr. for 1872, 1873, pp. 545–649, pll. i–vi.

[Mammals, pp. 546–611; general review of the vertebrate fauna of the eocene of Wyoming, pp. 643–649.]

Cope, E. D. [Remarks on mammalian remains from the miocene of Colorado.] <Proc. Acad. Nat. Sci. Phila. 1873, pp. 419, 420.

Leidy, J. [Notice of fossil vertebrates from the miocene of Virginia.] <Proc. Acad. Nat. Sci. Phila. 1873, p. 15.

Leidy, J. [Remarks on the occurrence of an extinct hog in America.] <Proc. Acad. Nat. Sci. Phila. 1873, p. 207.

[Doubts the occurrence of Sus in America as an extinct animal.]

Leidy, J. Department of the Interior. | — | Report | of the | United States geological survey | of | the Territories. | F. V. Hayden, | United States geologist-in-charge. . . . . Volume i. | — | Fossil vertebrates. | Part i. | — | Contributions | to the | extinct vertebrate fauna | of | the Western Territories. | By | Prof. Joseph Leidy. . . . . Washington: Government Printing Office. 1873. 4°. Tit., 358 pp., pll. i–xxxvii, with 37 ll. expl.

[Contains "Extinct vertebrate fauna of the Bridger tertiary formation of Wyoming Territory" (mammals, pp. 27–125); "Description of remains of mammals from the tertiary formation of Sweetwater River, Wyoming" (pp. 198–208); "Description of vertebrate fossils from the tertiary formation of John Day's River, Oregon" (pp. 210–223); "Description of remains of vertebrata from tertiary formations of different States and Territories west of the Mississippi River" (mammals, pp. 227–260); "Synopsis of the extinct vertebrata described or noticed in the present work" (mammals, pp. 315–338).]

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Marsh, O. C. New observations on the Dinocerata. <Am. Journ. Sci. and Arts, 3d ser. vi, pp. 300, 301.

Marsh, O. C. Note on the dates of some of Professor Cope's recent papers [on vertebrate fossils from Wyoming]. <Am. Journ. Sci. and Arts, 3d ser. v, 1873, pp. 235, 236.

Marsh, O. C. Notice of new tertiary mammals. <Am. Journ. Sci. and Arts, 3d ser. v, 1873, pp. 407–410.

[Spp. nn. Orohippus agilis, Colonoceras (nov. gen.) agrestis, Dinoceras lucaris, Oreodon occidentalis, Rhinoceros annectens, R. oregonensis.]

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[Spp. nn. Tillotherium (nov. gen.) hyracoides, Brontotherium (nov. gen.) gigas, Elotherium crassum.]

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1874.—Cooper, J. G. Animal life of the Cuyamaca Mountains [California]. <Am. Nat. viii, 1874, pp. 14–18. [Two pages devoted to mammals.]

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[Spp. nn. Ectoganus (g. n.) gliriformis, Calamodon (g. n.) simplex, C. arcamœnus, C. novomexicanus, Esthonyx (g. n.) bisulcatus, E. harmeisteri, E. imiticulus, Menoscotherium (g. n.) chamense, Bathmodon simus, B. molestus, B. elephantopus, Phenacodus omnivorus, P. sulcatus, Oxymna (g. n.) lapina, O. morsitans, O. forcipata, Pachymna (g. n.) ossifraga, Prototomus (g. n.) viverrinus, P. lasidiceus, P. jarrovii, Lymnocyon protenus.]

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[Mammals *passim*, and pp. 456–459, 461–510, 518–532. Loxolophodon galeatus, Symborodon hypoceras, Aceratherium mite, Anchitherium exoletum, spp. nn.]

Cope, E. D. [Mastodon productus, Steneofiber pausus, spp. nn.] < Proc. Acad. Nat. Sci. Phila. 1874, pp. 221–223.

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Marsh, O. C. Fossil horses in America. < Amer. Nat. viii, 1874, pp. 289–294, figg. 73–75.

Marsh, O. C. On the structure and affinities of the Brontotheridæ. < Am. Journ. Sci. and Arts, 3d ser. vii, 1874, pp. 81–86, pll. i, ii. [Sp. nov. Brontotherium ingens.]

Marsh, O. C. Notice of new equine mammals from the tertiary formation. < Am. Journ. Sci. and Arts, 3d ser. vii, 1874, pp. 247–258, with woodcuts.

[Spp. nn. Orohippus major, Miohippus (nov. gen.) annectens, Anchitherium anceps, A. celer, Pliohippus (nov. geo.) peroix, P. robustus, P. avus, Anchippus brevidens.]

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[Spp. nn. Marotherium (nov. gen.) gigas, M. leptonyx, Stylinodon (nov. gen.) mirus, Tillotherium latidens, Elotherium bathrodon.]

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[Spp. nn. Lemuravus (t. nov. gen.) distans, Laopithecus (nov. gen.) robustus, Tillotherium fodiens, Diceratherium (nov. gen.) armatum, D. nanum, D. advenum, Anisacodon (nov. gen.) montanus, Diplacodon (nov. gen.) elatus, Orohippus uintensis, Thinohyus (nov. gen.) lentus, T. socialis, Agriochœrus pumilus; also nov. genn. Mesohippus (type M. bairdi = Anchitherium bairdi Leidy), Eporeodon (type E. occidentalis = Oreodon occidentalis Marsh).]

Marsh, O. C. Reindeers in Southern New England. <Am. Journ. Sci. and Arts, 3d ser. 1875, x, pp. 354, 355.

[In an article by Prof. J. D. Dana, entitled "On Southern New England during the melting of the great glacier, No. III; reindeers in Southern New England".]

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[Hyracotherium and Coryphodon are identified.]

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[Among other things, the occurrence of a complete tusk of a walrus is noted (p. 80) and new species of xiphoid cetaceans are described—Protoxiphius macrops (p. 87), P. chenops (p. 114), gen. et spp. nn.]

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[Spp. nn. Eohippus (gen. nov.) validus, E. pernix, Parahyus (gen. nov.) vagus, Dromocyon (gen. nov.) vorax, Dryptodon (gen. nov.) crassus.]

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Marsh, O. C. Recent discoveries of extinct animals by Prof. Marsh. <Am. Journ. Sci. and Arts, xii, 1876, pp. 59–61.

[Abstract of a lecture before the graduating class of Yale College, given June 3, 1876. Contains a brief *résumé* of the more important results of his paleontological explorations in the Rocky Mountain region.]

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